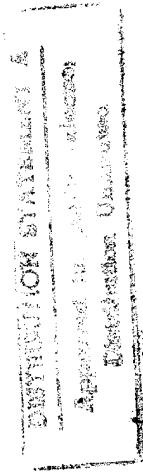


RDT&E PROGRAMS (R-1)



*Department of Defense Budget
for Fiscal Year 1997*

March 1996

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**ERRATA SHEETS FOR
RDT&E PROGRAMS (R-1)**

FY 1997 DEPARTMENT OF DEFENSE BUDGET

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Department of Defense
FY 1997 R D T & E Program

Exhibit R-1

Summary	Date: MAR 1996	
	Thousands of Dollars	
	FY 1995	FY 1996
Summary Recap of Budget Activities		
Basic Research	1,175,735	1,132,498
Applied Research	2,932,705	2,860,528
Advanced Technology Development	3,821,183	3,519,951
Demonstration and Validation	4,403,490	4,972,039
Engineering and Manufacturing Development	8,683,317	8,716,709
RDT&E Management Support	3,697,794	3,350,456
Operational Systems Development	9,740,345	10,589,494
Total Research, Development, Test & Evaluation	34,454,569	35,141,675
Summary Recap of FYDP Programs		
Strategic Forces	143,934	145,455
General Purpose Forces	3,515,522	3,271,943
Intelligence and Communications	5,646,151	6,495,498
Mobility Forces	19,749	22,165
Research and Development (FYDP Program 6)	24,878,632	24,833,871
Central Supply and Maintenance	29,688	199,085
Training Medical and Other	1,441	1,017
Administration and Assoc Activities	17,885	16,714
Support of Other Nations	1,849	8,106
Special Operations Forces	199,718	147,821
Total Research, Development, Test & Evaluation	34,454,569	35,141,675

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Date: MAR 1996

Summary

	Thousands of Dollars	
	FY 1995	FY 1996
Summary Recap of Budget Activities		
Basic Research	328,561	339,189
Applied Research	1,189,778	1,233,337
Advanced Technology Development	2,054,462	1,997,561
Demonstration and Validation	1,948,509	2,307,836
Engineering and Manufacturing Development	451,168	642,083
RDT&E Management Support	419,539	337,143
Operational Systems Development	2,211,855	2,178,975
Total Research Development Test & Eval Defwide	8,603,472	9,036,124
Summary Recap of FYDP Programs		
General Purpose Forces	33,907	23,192
Intelligence and Communications	1,984,917	1,992,122
Research and Development (FYDP Program 6)	6,379,301	6,855,330
Central Supply and Maintenance		6,659
Administration and Assoc Activities	5,629	11,000
Special Operations Forces	199,778	147,821
Total Research Development Test & Eval Defwide	8,603,472	9,036,124

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Exhibit R-1

FY 1997 Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defensewide

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
1 0601101D	In-House Laboratory Independent Research	1	2,242	3,411	2,154	U
2 0601101E	Defense Research Sciences	1	85,069	77,600	74,923	U
3 0601103D	University Research Initiatives	1	235,674	222,043	209,235	U
4 0601110D	Focused Research Initiatives	1	5,576	8,654	15,580	U
5 0601384BP	Chemical and Biological Defense Program	1		27,481	28,739	U
		328,561	339,189	330,631		
6 0602160D	Counterproliferation Support	2		13,882		U
7 0602173C	Support Technologies/Follow-on Technologies	2	80,948	89,230	94,023	U
8 0602227D	Medical Free Electron Laser	2	22,070	25,223	23,457	U
9 0602228D	Historically Black Colleges and Universities	2	21,268	14,195	11,163	U
10 0602234D	Lincoln Laboratory Research Program	2		12,393	20,068	U
11 0602301E	Computing Systems and Communications Technology	2	376,490	363,038	346,957	U
12 0602384BP	Chemical and Biological Defense Program	2	9,721	67,683	65,273	U
13 0602702E	Tactical Technology	2	118,755	127,205	117,944	U
14 0602708E	Integrated Command and Control Technology	2	79,375	48,342	45,000	U
15 0602712E	Materials and Electronics Technology	2	260,979	235,159	218,539	U
16 0602715H	Defense Nuclear Agency	2	210,793	227,964	195,131	U
17 0602787D	Medical Technology	2	7,339	7,204	8,196	U
18 0305108K	Command and Control Research	2	1,640	1,819	1,856	U
		1,189,378	1,233,337	1,147,607		
	Applied Research					

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FY 1997 Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defensewide

Exhibit R-1

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997 c
19 0603002D	Medical Advanced Technology	3	3,884	3,926	3,363 U
20 0603104D	Explosives Demilitarization Technology	3	3,794	15,000	U
21 0603105D	Military HIV Research	3		19,212	U
22 0603120D	Demining	3			7,746 U
23 0603122D	Counterterror Technical Support	3	7,765	17,608	16,521 U
24 0603160D	Counterproliferation Support - Adv Dev	3	23,708	62,753	54,142 U
25 0603173C	Support Technologies/Follow-on Technologies -	3	126,585	125,537	132,319 U
26 0603225D	Joint DoD-DoE Munitions Technology Development	3	23,172	20,939	16,158 U
27 0603226E	Experimental Evaluation of Major Innovative	3	581,818	582,616	635,553 U
28 0603232D	Automatic Target Recognition	3			4,841 U
29 0603384BP	Chemical and Biological Defense Program -	3		34,349	41,685 U
30 0603569E	Advanced Submarine Technology	3	31,400	31,687	U
31 0603570D	Defense Laboratory Partnership Program	3	58,971		U
32 0603570E	Defense Reinvestment	3	208,067	185,741	U
33 0603704D	Special Technical Support	3	16,332	17,470	12,068 U
34 0603711H	Verification Technology Demonstration	3	34,411	32,527	26,199 U
35 0603712S	Generic Logistics R&D Technology Demonstrations	3		11,539	18,162 U
36 0603716D	Strategic Environmental Research Program	3	52,340	55,859	54,880 U
37 0603724D	Biological Defense - Advanced Development	3	50,001		U
38 0603726D	Joint Technology Insertion Program	3		3,339	14,523 U

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Item	Act. FY 1995	FY 1996	FY 1997
39 0603736D	CALS Initiative	3	13,102	-----
40 0603738D	Cooperative DoD/VA Medical Research	3	41,845	24,013
41 0603739E	Advanced Electronics Technologies	3	383,459	393,144
42 0603744E	Advanced Simulation	3	27,910	4,887
43 0603745E	Semiconductor Manufacturing Technology	3	88,327	37,296
44 0603746E	Maritime Technology	3	38,780	47,196
45 0603747E	Electric Vehicles	3	14,170	14,694
46 0603750D	Advanced Concept Technology Demonstrations	3	29,952	37,087
47 0603752D	Commercial Technology Insertion Program	3	-----	48,411
48 0603755D	High Performance Computing Modernization Program	3	61,797	114,961
49 0603756D	Consolidated DoD Software Initiative	3	23,109	-----
50 0603771S	Industrial Preparedness Manufacturing Technology	3	19,097	-----
51 0603800E	Joint Advanced Strike Technology - Dem/Val	3	-----	78,400
52 0603805E	Dual Use Applications Programs	3	-----	250,000
53 0603832D	Joint Wargaming Simulation Management Office	3	51,696	74,624
54 0603889E	Counterdrug RDT&E Projects	3	38,970	-----
	Advanced Technology Development	-----	2,054,462	1,997,561
55 0603228D	Physical Security Equipment	4	25,915	19,299
56 0603708D	Integrated Diagnostics	4	10,818	9,861

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997
Thousands of Dollars					
57 0603709D	Joint Robotics Program	4	22,978	16,566	23,744 U
58 0603714D	Advanced Sensor Applications Program	4	31,226	29,900	24,001 U
59 0603715D	AIM-9 Consolidated Program	4	48,024		U
60 0603734J	Island Sun Support	4	2,698	1,359	1,246 U
61 0603736D	CALS Initiative	4		5,789	1,936 U
62 0603790D	NATO Research and Development	4	29,377	22,573	22,776 U
63 0603851D	Environmental Security Technical Certification	4	43,111	26,038	14,155 U
64 0603861C	Theater High-Altitude Area Defense System - TMD -	4	452,384	554,755	269,000 U
65 0603862C	Theater Missile Defense Ground Based Radar (GBR-	4	169,993		U
66 0603863C	HAWK Upgrades Theater Missile Defense Acquisition	4	26,800	22,312	U
67 0603864C	Battle Management and C4I for TMD Acquisition -	4	19,893	23,160	U
68 0603867C	Navy Lower Tier TMD Acquisition - Dem/Val	4	139,834	187,258	60,000 U
69 0603868C	Navy Upper Tier TMD - Dem/Val	4	75,000	194,565	58,171 U
70 0603869C	CORPS Surface-to-Air Missile - TMD - Dem/Val	4	14,223	19,675	56,232 U
71 0603870C	Boost Phase Intercept Theater Missile Defense	4	40,610		U
72 0603871C	National Missile Defense - Dem/Val	4	387,105	720,750	508,437 U
73 0603872C	Other Theater Missile Defense/Follow-on TMD	4	408,520	421,185	520,111 U
74 0603884BP	Chemical and Biological Defense Program - Dem/Val	4		32,791	54,511 U

Demonstration and Validation					
		1,948,509	2,307,836	1,642,738	-----

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FY 1997 Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defensewide

Exhibit R-1

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
75 0604160D	Counterproliferation Support - EMD	5	2,031	2,676	2,651	U
76 0604384BP	Chemical and Biological Defense Program - EMD	5	15,200	88,196	89,915	U
77 0604771D	Joint Tactical Information Distribution System	5	81,709	59,619	44,501	U
78 0604861C	Theater High-Altitude Area Defense System - TMD -	5			212,798	U
79 0604864C	Battle Management and C4I for TMD Acquisition -	5		13,885		U
80 0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	275,450	363,008	381,509	U
81 0604866C	ERINT/Patriot PAC-3 Risk Reduction - TMD - EMD	5	69,328	18,967		U
82 0604867C	Navy Lower Tier TMD Acquisition - EMD	5		95,732	241,582	U
83 0604889K	Counterdrug Engineering and Manufacturing	5	500			U
84 0305889D	Counterdrug Intelligence Support	5	6,950			U
	Engineering and Manufacturing Development		451,168	642,083	972,956	
85 0605104D	Technical Studies, Support and Analysis	6	24,720	31,248	35,101	U
86 0605110D	Technical Support to USD(A) -Critical Technology	6	2,566	2,547	2,743	U
87 0605114E	BLACK LIGHT	6	4,725	4,623	4,730	U
88 0605117D	Foreign Material Acquisition and Exploitation	6	99,963	44,510	40,750	U
89 0605128D	Classified Program USD(P)	6		1,700	11,400	U
90 0605129D	Technical Assistance	6			4,785	U
91 0605160D	Counterproliferation Support	6	5,671	6,214	8,563	U
92 0605218C	Ballistic Missile Defense RDT&E Program	6	157,359	146,530	U	

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Exhibit R-1

FY 1997 Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defensewide

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
93 0605384BP	Chemical and Biological Defense Program	6	1,700	4,752	16,708	U
94 0605502D	Small Business Innovative Research	6	29,390			U
95 0605710D	Classified Programs - C3I	6	1,000	2,411	2,311	U
96 0605790D	Small Business Innovative Research Administration	6	1,461	1,511	1,628	U
97 0605798S	Defense Support Activities	6	14,653	16,912	13,796	U
98 0605801S	Defense Technical Information Center	6	42,684	40,086	45,238	U
99 0605898E	Management Headquarters (Research and Development	6	29,921	34,099	36,369	U
100 0909900E	Financing for Expired Account Adjustments	6	3,726			U
			419,539	337,143	224,122	
101 0201135J	RDT&E Management Support	7	1,456			U
102 0208045K	CINC C2 Initiatives	7				
103 0301011G	C3 Interoperability (Joint Tactical C3 Agency)	7	32,451	23,192	24,268	U
104 0301301L	Cryptologic Activities	7				
105 0301308L	General Defense Intelligence Program	7				
106 0302016K	Missile Intelligence Agency	7				
107 0302019K	National Military Command System-Wide Support	7	3,536	1,995	2,047	U
108 0303126K	Joint/Defense Information Systems Engineering and Long-Haul Communications (DCS)	7	9,774	3,745	4,594	U
109 0303127K	Support of the National Communications System	7	27,166	20,060	23,361	U
110 0303129K	Defense Message System	7	4,229	3,733	3,910	U
					2,532	U

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Ballistic Missile Defense Organization
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval. Worldwide

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997 C e	Thousands of Dollars
7 0602173C	Support Technologies/Follow-on Technologies	2	80,948	89,230	94,023	U
	Applied Research					
25 0603173C	Support Technologies/Follow-on Technologies -	3	126,585	125,537	132,319	U
	Advanced Technology Development					
64 0603861C	Theater High-Altitude Area Defense System - TMD -	4	452,384	554,755	269,000	U
65 0603862C	Theater Missile Defense Ground Based Radar (GBR-	4	169,993			U
66 0603863C	HAWK Upgrades Theater Missile Defense Acquisition	4	26,800	22,312		U
67 0603864C	Battle Management and C4I for TMD Acquisition -	4	19,893	23,160		U
68 0603867C	Navy Lower Tier TMD Acquisition - Dem/Val	4	139,834	187,258	60,000	U
69 0603868C	Navy Upper Tier TMD - Dem/Val	4	75,000	194,565	58,171	U
70 0603869C	CORPS Surface-to-Air Missile - TMD - Dem/Val	4	14,223	19,675	56,232	U
71 0603870C	Boost Phase Intercept Theater Missile Defense	4	40,610			U
72 0603871C	National Missile Defense - Dem/Val	4	387,105	720,750	508,437	U
73 0603872C	Other Theater Missile Defense/Follow-on TMD	4	408,520	421,185	520,111	U
	Demonstration and Validation					
78 0604861C	Theater High-Altitude Area Defense System - TMD -	5	1,734,362	2,143,660	1,471,951	
79 0604864C	Battle Management and C4I for TMD Acquisition -	5				
80 0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	275,450	363,008	381,509	U

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Ballistic Missile Defense Organization
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997 C
81 0604866C	ERINT/Patriot PAC-3 Risk Reduction - TMD - EMD	5	69,328	18,967	U
82 0604867C	Navy Lower Tier TMD Acquisition - EMD	5		95,732	241,582 U
Engineering and Manufacturing Development					
92 0605218C	Ballistic Missile Defense RD&E Program	6	344,778	491,592	835,889
RD&E Management Support					
Total	Ballistic Missile Defense Organization	2,444,032	2,996,549	2,534,182	

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Preface

The R. D. T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Future Years Defense Program R. D. T. & E. Annex data base.

The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmittal by the President of the Budget of the United States Government. This document is also provided to OASD(PA) for use by non-DoD activities.

Office of the Under Secretary of Defense (Comptroller)

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Department of Defense
FY 1997 R D T & E Program

Exhibit R-1

Date: MAR 1996

Summary

Thousands of Dollars

	FY 1995	FY 1996	FY 1997
Summary By Appropriation			
Research Development Test & Eval Army	5,403,477	4,738,172	4,320,640
Research Development Test & Eval Navy	8,606,317	8,419,734	7,334,734
Research Development Test & Eval AF	11,583,999	12,677,976	14,417,456
Research Development Test & Eval Defwide	8,603,472	9,036,124	8,398,836
Director of Test & Eval Defense	234,342	247,082	252,038
Director of Operational Test & Evaluation	22,962	22,587	21,968
Total Research, Development, Test & Evaluation	34,454,569	35,141,675	34,745,672

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Department of Defense
FY 1997 R D T & E Program

Exhibit R-1

Summary

Date: MAR 1996

	Thousands of Dollars		
	FY 1995	FY 1996	FY 1997
Summary Recap of Budget Activities			
Basic Research	1,175,735	1,132,498	1,155,990
Applied Research	2,932,705	2,862,029	2,698,103
Advanced Technology Development	3,821,183	3,520,755	3,370,012
Demonstration and Validation	4,403,490	4,987,989	4,570,958
Engineering and Manufacturing Development	8,683,317	8,696,843	8,785,333
RDT&E Management Support	3,697,794	3,352,067	2,907,665
Operational Systems Development	9,740,345	10,589,494	11,257,611
Total Research, Development, Test & Evaluation	34,454,569	35,141,675	34,745,672
Summary Recap of FYDP Programs			
Strategic Forces	143,934	145,455	140,704
General Purpose Forces	3,515,522	3,271,943	2,922,132
Intelligence and Communications	5,646,151	6,495,498	7,946,377
Mobility Forces	19,749	22,165	95,930
Research and Development (FYDP Program 6)	24,878,632	24,833,871	23,342,248
Central Supply and Maintenance	29,688	199,085	129,581
Training Medical and Other	1,441	1,017	1,887
Administration and Assoc Activities	17,885	16,714	40,829
Support of Other Nations	1,849	8,106	3,633
Special Operations Forces	199,718	147,821	122,351
Total Research, Development, Test & Evaluation	34,454,569	35,141,675	34,745,672
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Department of the Army
FY 1997 R D T & E Program

Exhibit R-1

Summary

Date: MAR 1996

Thousands of Dollars

	FY 1995	FY 1996	FY 1997
Summary Recap of Budget Activities			
Basic Research	213,912	187,109	203,671
Applied Research	598,986	446,230	447,605
Advanced Technology Development	747,283	585,429	448,765
Demonstration and Validation	445,874	459,550	485,129
Engineering and Manufacturing Development	1,563,371	1,156,935	1,063,776
RDT&E Management Support	1,273,465	1,172,702	1,029,544
Operational Systems Development	560,586	730,217	642,150
Total Research Development Test & Eval Army	5,403,477	4,738,172	4,320,640

Summary Recap of FYDP Programs

Strategic Forces	419,545	12,993	38,940
General Purpose Forces	83,227	552,171	447,783
Intelligence and Communications		66,523	74,314
Research and Development (FYDP Program 6)	4,900,077	4,078,558	3,742,761
Central Supply and Maintenance		27,927	16,842
Administration and Assoc Activities	628		
Total Research Development Test & Eval Army	5,403,477	4,738,172	4,320,640

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Department of the Army
FY 1997 R D T & E Program

Appropriation: 2040 A Research Development Test & Eval Army

Exhibit R-1

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
-----S-----						
1 0601101A	In-House Laboratory Independent Research	1	12,826	13,950	14,701	U
2 0601102A	Defense Research Sciences	1	192,833	124,742	141,682	U
3 0601104A	University and Industry Research Centers	1	8,253	48,417	47,288	U

Basic Research						
4 0602104A	TRACTOR ROSE	2	7,256	2,546	2,131	U
5 0602105A	Materials Technology	2	19,768	9,901	10,841	U
6 0602120A	Sensors and Electronic Survivability	2	25,877	26,952	23,608	U
7 0602122A	TRACTOR HIP	2	10,972	5,725	8,152	U
8 0602211A	Aviation Technology	2	19,501	17,970	24,683	U
9 0602270A	EW Technology	2	17,794	14,786	15,845	U
10 0602303A	Missile Technology	2	23,327	17,500	20,295	U
11 0602308A	Modeling and Simulation Technology	2	51,371	19,967	21,134	U
12 0602601A	Combat Vehicle and Automotive Technology	2	32,243	38,128	34,834	U
13 0602618A	Ballistics Technology	2	25,304	33,045	31,166	U
14 0602622A	Chemical, Smoke and Equipment Defeating Technolog	2	30,697	1,760	2,343	U
15 0602623A	Joint Service Small Arms Program	2	5,531	4,975	4,593	U
16 0602624A	Weapons and Munitions Technology	2	34,992	23,295	25,611	U
17 0602705A	Electronics and Electronic Devices	2	23,317	19,928	20,922	U
18 0602709A	Night Vision Technology	2	18,956	16,624	16,994	U

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Department of the Army
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
19 0602712A	Countermine Systems	2	13,834	15,600	14,072	U
20 0602716A	Human Factors Engineering Technology	2	41,145	25,977	19,457	U
21 0602720A	Environmental Quality Technology	2	16,451	13,204	15,307	U
22 0602782A	Command, Control, Communications Technology	2	4,366	3,883	6,638	U
23 0602783A	Computer and Software Technology	2	39,406	34,260	37,898	U
24 0602784A	Military Engineering Technology	2	9,761	7,298	9,528	U
25 0602785A	Manpower/Personnel/Training Technology	2	33,204	27,260	17,808	U
26 0602786A	Logistics Technology	2	91,279	63,539	55,490	U
27 0602787A	Medical Technology	2	401	401	401	U
28 0602788A	TRACTOR FLOP	2	2,233	2,107	2,226	U
29 0602789A	ARMY Artificial Intelligence Technology	2	598,986	446,230	447,605	-----
Applied Research						
30 0603001A	Logistics Advanced Technology	3	16,019	37,654	23,210	U
31 0603002A	Medical Advanced Technology	3	232,721	92,926	11,601	U
32 0603003A	Aviation Advanced Technology	3	51,246	55,051	41,478	U
33 0603004A	Weapons and Munitions Advanced Technology	3	30,975	26,760	19,759	U
34 0603005A	Combat Vehicle and Automotive Advanced Technology	3	60,381	27,401	31,552	U
35 0603006A	Command, Control, Communications Advanced	3	16,293	21,806	23,120	U
36 0603007A	Manpower, Personnel and Training Advanced	3	4,821	4,696	4,500	U

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Thousands of Dollars						
37	0603009A	TRACTOR HIKE	3	5,141	23,915	17,176 U
38	0603012A	TRACTOR HOLE	3	6,652		U
39	0603013A	TRACTOR DIRT	3	1,586	1,757	3,335 U
40	0603017A	TRACTOR RED	3	9,653	5,508	5,125 U
41	0603020A	TRACTOR ROSE	3	6,173	4,390	5,078 U
42	0603105A	Military HIV Research	3	28,257	2,866	2,919 U
43	0603122A	TRACTOR HIP	3	3,374		U
44	0603238A	Global Surveillance/Air Defense/Precision Strike	3	39,951	37,279	40,258 U
45	0603270A	EW Technology	3	6,518	3,912	6,794 U
46	0603313A	Missile and Rocket Advanced Technology	3	66,836	115,657	90,037 U
47	0603322A	TRACTOR CAGE	3	16,668	8,297	8,851 U
48	0603606A	Landmine Warfare and Barrier Advanced Technology	3	20,505	24,087	15,196 U
49	0603607A	Joint Service Small Arms Program	3	6,908	4,365	5,243 U
50	0603654A	Line-Of-Sight Technology Demonstration	3	8,575	14,324	18,173 U
51	0603710A	Night Vision Advanced Technology	3	31,932	32,882	32,597 U
52	0603734A	Military Engineering Advanced Technology	3	10,802	12,041	20,664 U
53	0603759A	Chemical Biological Defense and Smoke Advanced	3	189		U
54	0603771A	Industrial Preparedness Manufacturing Technology	3	31,942		U
55	0603772A	Advanced Tactical Computer Science and Sensor	3	33,165	27,855	22,099 U
Advanced Technology Development		747,283	585,429		448,765	-----

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			FY 1995	FY 1996	FY 1997
56	0603018A	TRACTOR TREAD	4	16,010	14,518
57	0603019A	TRACTOR DUMP	4	16,246	2,409 U
58	0603308A	Army Missile Defense Systems Integration (Dem/Val	4	23,329	2,884 U
59	0603619A	Landmine Warfare and Barrier - Adv Dev	4	31,942	16,464 U
60	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	4	3,077	3,160
61	0603639A	Armament Enhancement Initiative	4	32,409	59,799
62	0603640A	Artillery Propellant Development	4	24,638	21,347
63	0603645A	Armored System Modernization - Adv Dev	4	168,827	186,252
64	0603647A	TRACTOR DIRT	4	402	U
65	0603649A	Engineer Mobility Equipment Advanced Development	4	15,414	9,839
66	0603653A	Advanced Tank Armament System (ATAS)	4	4,773	9,639 U
67	0603713A	Army Data Distribution System	4	5,279	6,476
68	0603730A	Tactical Surveillance System - Adv Dev	4	11,481	U
69	0603745A	Tactical Electronic Support Systems - Adv Dev	4	1,659	5,776
70	0603747A	Soldier Support and Survivability	4	12,189	7,698
71	0603760A	Distributive Interactive Simulations (DIS) -	4	8,063	2,025 U
72	0603766A	Tactical Electronic Surveillance System - Adv Dev	4	14,519	27,460
73	0603774A	Night Vision Systems Advanced Development	4	3,145	2,879
74	0603790A	NATO Research and Development	4	16,309	9,963 U
75	0603801A	Aviation - Adv Dev	4	14,035	8,385 U

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76 0603802A	Weapons and Munitions - Adv Dev	4	1,220	973	U
77 0603804A	Logistics and Engineer Equipment - Adv Dev	4	14,399	7,224	7,592 U
78 0603805A	Combat Service Support Control System Evaluation	4	18,462	13,555	13,140 U
79 0603806A	NBC Defense System-Adv Dev	4	15,915		U
80 0603807A	Medical Systems - Adv Dev	4	14,960	10,288	10,211 U
81 0603851A	TRACTOR CAGE (Dem/Val)	4	3,317	3,124 U	
82 0603854A	Artillery Systems - Dem/Val	4		258,771 U	
83 0603856A	SCAMP Block II Dem/Val	4		8,080 U	
84 0603889A	Counterdrug RDT&E Projects	4	3,100	U	

Demonstration and Validation					
85 0604201A	Aircraft Avionics	5	14,059	21,442	15,008 U
86 0604220A	Armed, Deployable OH-58D	5		706	1,154 U
87 0604223A	Comanche	5	474,912	290,936	288,644 U
88 0604270A	EW Development	5	90,925	63,442	69,474 U
89 0604315A	Tri-Service Standoff Attack Missile	5	1,156		U
90 0604321A	All Source Analysis System	5	41,059	51,168	36,200 U
91 0604325A	Follow-on to TOW	5		968	5,596 U
92 0604328A	TRACTOR CAGE	5			1,561 U
93 0604604A	Medium Tactical Vehicles	5	4,292	1,459	U

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94	0604609A	Smoke, Obscurant and Target Defeating Sys-Eng Dev	5		5,612	1,945		U	
95	0604611A	JAVELIN	5		29,550	973		1,643	U
96	0604619A	Landmine Warfare	5		30,175	30,179		17,609	U
97	0604622A	Family of Heavy Tactical Vehicles	5			2,672			U
98	0604633A	Air Traffic Control	5		11,103	1,764		5,549	U
99	0604640A	Advanced Command and Control Vehicle (AC2V)	5		32,370	17,739		6,649	U
100	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	5				4,073	2,884	U
101	0604642A	Light Tactical Wheeled Vehicles	5						U
102	0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5		60,852	38,973		6,726	U
103	0604649A	Engineer Mobility Equipment Development	5		15,167	23,763		35,410	U
104	0604710A	Night Vision Systems - Eng Dev	5		41,162	38,613		33,637	U
105	0604713A	Combat Feeding, Clothing, and Equipment	5		23,355	17,472		78,063	U
106	0604715A	Non-System Training Devices - Eng Dev	5		47,886	50,878		42,865	U
107	0604716A	Terrain Information - Eng Dev	5		9,999	8,728		7,369	U
108	0604739A	Integrated Broadcast Service	5				4,867	4,867	U
109	0604740A	Tactical Surveillance System - Eng Dev	5		2,049	2,918			
110	0604741A	Air Defense Command, Control and Intelligence -	5		29,071	20,249		20,516	U
111	0604746A	Automatic Test Equipment Development	5		16,785	15,015		2,793	U
112	0604760A	Distributive Interactive Simulations (DIS) -	5		2,279			15,966	U
113	0604766A	Tactical Exploitation of National Capabilities -	5		28,246	23,861		15,758	U

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Thousands of Dollars					
114 0604768A	Brilliant Anti-Armor Submunition (BAT)	5	115,088	194,831	180,407 U
115 0604770A	Joint Surveillance/Target Attack Radar System	5	37,789	27,480	9,857 U
116 0604778A	Positioning Systems Development (SPACE)	5	3,336	448	437 U
117 0604780A	Combined Arms Tactical Trainer (CATT)	5	50,293	57,742	26,713 U
118 0604801A	Aviation - Eng Dev	5	4,614	5,002	5,518 U
119 0604802A	Weapons and Munitions - Eng Dev	5	14,006	17,535	20,468 U
120 0604804A	Logistics and Engineer Equipment - Eng Dev	5	19,804	20,188	20,330 U
121 0604805A	Command, Control, Communications Systems - Eng Dev	5	11,751	13,063	9,796 U
122 0604806A	NBC Defense System-Eng Dev	5	15,106	U	U
123 0604807A	Medical Materiel/Medical Biological Defense	5	12,458	4,608	4,794 U
124 0604808A	Landmine Warfare/Barrier - Eng Dev	5	7,077	6,977	19,731 U
125 0604814A	Sense and Destroy Armament Missile - Eng Dev	5	40,475	16,164	10,149 U
126 0604816A	LONGBOW - Eng Dev	5	169,582	22,945	5,872 U
127 0604817A	Combat Identification	5	20,205	21,853	16,783 U
128 0604818A	Army Tactical Command & Control Hardware &	5	18,338	18,163	16,429 U
129 0604820A	Radar Development	5	11,385	U	U
130 0604823A	Firefinder	5	551	U	U

131 0604256A	Engineering and Manufacturing Development	1,563,371	1,156,935	1,063,776	-----
	Threat Simulator Development	6	19,437	14,005	11,627 U

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			FY 1995	FY 1996	FY 1997
132 0604258A	Target Systems Development	6	13,679	13,900	10,129 U
133 0604759A	Major T&E Investment	6	48,797	65,049	41,725 U
134 0605103A	Rand Arroyo Center	6	15,505	18,356	21,763 U
135 0605104A	Los Alamos Meson Physics Facility	6	19,314	U	
136 0605301A	Army Kwajalein Atoll	6	157,420	144,439	136,864 U
137 0605502A	Small Business Innovative Research	6	95,306	U	
138 0605601A	Army Test Ranges and Facilities	6	153,336	143,347	133,012 U
139 0605602A	Army Technical Test Instrumentation and Targets	6	30,558	26,846	22,413 U
140 0605604A	Survivability/Lethality Analysis	6	37,065	33,595	31,343 U
141 0605605A	DOD High Energy Laser Test Facility	6	23,961	34,043	2,967 U
142 0605606A	Aircraft Certification	6	2,894	2,905 U	
143 0605702A	Meteorological Support to RDT&E Activities	6	12,242	6,480	6,484 U
144 0605706A	Material Systems Analysis	6	18,769	17,382	14,428 U
145 0605709A	Exploitation of Foreign Items	6	12,391	8,627	7,347 U
146 0605710A	Joint Nuclear Biological Chemical Test,	6	4,407	U	
147 0605712A	Support of Operational Testing	6	30,543	45,180	50,906 U
148 0605801A	Programwide Activities	6	94,119	61,913	61,092 U
149 0605802A	International Cooperative Research and Developmen	6	1,581	1,561	1,566 U
150 0605803A	Technical Information Activities	6	14,039	13,420	16,921 U
151 0605805A	Munitions Standardization, Effectiveness and	6	14,015	17,608	2,282 U

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152	0605810A	RDT&E Support for Nondevelopmental Items	6	3,020	2,464	1,759	U
153	0605853A	Environmental Conservation	6	---	---	---	13,894 U
154	0605854A	Pollution Prevention	6	12,652	64,349	53,911 U	4,319 U
155	0605856A	Environmental Compliance	6	49,973	5,569	5,347	U
156	0605876A	Minor Construction (RPM) - RDT&E	6	79,302	93,089	66,047	U
157	0605878A	Maintenance and Repair (RPM) - RDT&E	6	294,085	310,822	216,649	U
158	0605879A	Real Property Services (RPS) - RDT&E	6	24,404	15,334	4,801	U
159	0605896A	Base Operations - RDT&E	6	628	---	---	U
160	0605898A	Management Headquarters (Research and Development	6	---	---	---	---
161	0909999A	Financing for Cancelled Account Adjustments	6	---	---	---	---
		RDT&E Management Support	7	1,273,465	1,172,702	1,029,544	U
162	0603778A	MLRS Product Improvement Program	7	57,814	70,603	64,271	U
163	0102419A	Aerostat Joint Project Office	7	---	12,993	38,940	U
164	0203726A	Adv Field Artillery Tactical Data System	7	50,737	35,420	39,497	U
165	0203735A	Combat Vehicle Improvement Programs	7	107,205	209,131	197,796	U
166	0203740A	Maneuver Control System	7	36,657	49,528	29,082	U
167	0203744A	Aircraft Modifications/Product Improvement	7	4,538	2,262	194	U
168	0203752A	Aircraft Engine Component Improvement Program	7	3,123	3,999	2,947	U
169	0203758A	Digitization	7	84,738	99,103	110,180	U

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170 0203801A	Missile/Air Defense Product Improvement Program	7	35,890	63,057	30,959	U
171 0203802A	Other Missile Product Improvement Programs	7	62,176	63,709	6,199	U
172 0203806A	TRACTOR RUT	7	2,594	3,122	3,179	U
173 0203808A	TRACTOR CARD	7	13,084	9,868	6,933	U
174 0208010A	Joint Tactical Communications Program (TRI-TAC)	7	18,803	12,972	18,693	U
175 0208053A	Joint Tactical Ground System	7			2,124	U
176 0301359A	Special Army Program	7	6,866	8,538	10,185	U
177 0303140A	Information Systems Security Program	7	7,426	3,623	3,161	U
178 0303142A	SATCOM Ground Environment (SPACE)	7	68,935	54,362	40,677	U
179 0303150A	WMMCS/Global Command and Control System	7			19,804	U
180 0305128A	Security and Investigative Activities	7			487	U
181 0708045A	End Item Industrial Preparedness Activities	7		27,927	16,842	U
Operational Systems Development						
			560,586	730,217	642,150	
Total	Research Development Test & Eval Army		5,403,477	4,738,172	4,320,640	

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	FY 1995	FY 1996	FY 1997
Thousands of Dollars			
Summary Recap of Budget Activities			
Basic Research	408,284	377,012	387,213
Applied Research	501,603	541,372	463,465
Advanced Technology Development	481,104	444,730	449,342
Demonstration and Validation	1,582,957	1,716,612	1,740,955
Engineering and Manufacturing Development	2,213,031	2,395,815	2,048,657
RD&E Management Support	776,356	573,381	558,440
Operational Systems Development	2,642,982	2,370,812	1,686,662
Total Research Development Test & Eval Navy	8,606,317	8,419,734	7,334,734
Summary Recap of FYDP Programs			
Strategic Forces	135,302	91,599	71,047
General Purpose Forces	1,885,790	1,541,369	1,011,397
Intelligence and Communications	621,890	652,616	568,692
Research and Development (FYDP Program 6)	5,957,636	6,048,922	5,648,072
Central Supply and Maintenance		85,228	35,526
Administration and Assoc Activities	5,699		
Total Research Development Test & Eval Navy	8,606,317	8,419,734	7,334,734

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1 0601152N	In-House Independent Laboratory Research	1	16,970	15,390	15,309	U
2 0601153N	Defense Research Sciences	1	391,314	361,622	371,904	U
	Basic Research		408,284	377,012	387,213	
3 0602111N	Surface/Aerospace Surveillance and Weapons	2	34,213	42,313	26,312	U
4 0602121N	Surface Ship Technology	2	36,928	60,923	35,591	U
5 0602122N	Aircraft Technology	2	25,687	29,792	20,578	U
6 0602131M	Marine Corps Landing Force Technology	2	16,749	16,917	17,093	U
7 0602232N	Command, Control, and Communications Technology	2	61,005	58,186	56,159	U
8 0602233N	Readiness, Training, and Environmental Quality	2	47,890	47,676	40,828	U
9 0602234N	Materials, Electronics and Computer Technology	2	92,142	75,933	75,886	U
10 0602270N	Electronic Warfare Technology	2	16,866	17,778	22,454	U
11 0602314N	Undersea Surveillance Weapon Technology	2	49,128	55,226	49,580	U
12 0602315N	Mine Countermeasures, Mining and Special Warfare	2	36,932	46,894	40,534	U
13 0602435N	Oceanographic and Atmospheric Technology	2	51,423	56,576	44,559	U
14 0602633N	Undersea Warfare Weaponry Technology	2	32,640	33,158	33,891	U
	Applied Research		501,603	541,372	463,465	
15 0603217N	Air Systems and Weapons Advanced Technology	3	20,891	35,096	29,315	U
16 0603238N	Precision Strike and Air Defense	3	36,665	62,418	55,560	U
17 0603270N	Advanced Electronic Warfare Technology	3	14,079	13,865	15,085	U

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18 0603508N	Ship Propulsion System	3	17,609	17,292	28,557 U
19 0603640M	Marine Corps Advanced Technology Demonstration	3	24,324	24,973	24,212 U
20 0603706N	Medical Development	3	55,820	60,680	37,342 U
21 0603707N	Manpower, Personnel and Training Adv Tech Dev	3	18,450	17,260	19,273 U
22 0603712N	Environmental Quality and Logistics Advanced	3	21,446	24,139	19,970 U
23 0603747N	Undersea Warfare Advanced Technology	3	60,687	45,794	43,583 U
24 0603771N	Industrial Preparedness Manufacturing Technology	3	79,628		U
25 0603782N	Shallow Water MCM Demos	3	41,890	39,002	42,753 U
26 0603792N	Advanced Technology Transition	3	70,003	78,502	104,424 U
27 0603794N	C3 Advanced Technology	3	19,612	25,709	29,268 U
	Advanced Technology Development	481,104	444,730	449,342	
28 0603207N	Air/Ocean Tactical Applications	4	16,509	19,214	16,519 U
29 0603208N	Training System Aircraft	4	4,310	2,977	2,405 U
30 0603216N	Aviation Survivability	4	15,901	15,875	6,313 U
31 0603254N	ASW Systems Development	4	29,373	29,216	19,473 U
32 0603261N	Tactical Airborne Reconnaissance	4	43,704	20,214	24,085 U
33 0603382N	Advanced Combat Systems Technology	4	2,804	2,687	3,858 U
34 0603451N	Tactical Space Operations	4	2,002	933	U
35 0603502N	Surface and Shallow Water Mine Countermeasures	4	43,734	54,367	86,995 U

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36 0603504N	Advanced Submarine Combat Systems Development	4	22,863	27,207	19,149 U
37 0603506N	Surface Ship Torpedo Defense	4	20,353	9,714	5,772 U
38 0603512N	Carrier Systems Development	4	15,693	12,370	12,745 U
39 0603513N	Shipboard System Component Development	4	25,640	16,280	9,948 U
40 0603514N	Ship Combat Survivability	4	14,149	11,288	5,749 U
41 0603525N	PILOT FISH	4	33,722	75,333	93,910 U
42 0603528N	Non-Acoustic Anti-Submarine Warfare (ASW)	4	9,689	9,688	U
43 0603536N	RETRACT JUNIPER	4	19,650	9,688	10,398 U
44 0603542N	Radiological Control	4	3,442	3,104	2,886 U
45 0603553N	Surface ASW	4	6,469	6,441	3,964 U
46 0603561N	Advanced Submarine System Development	4	81,944	53,870	26,400 U
47 0603562N	Submarine Tactical Warfare Systems	4	7,221	4,794	4,578 U
48 0603563N	Ship Concept Advanced Design	4	28,484	52,044	13,807 U
49 0603564N	Ship Preliminary Design & Feasibility Studies	4	30,311	9,210	12,942 U
50 0603570N	Advanced Nuclear Power Systems	4	130,085	137,370	131,965 U
51 0603573N	Advanced Surface Machinery Systems	4	78,026	80,256	59,773 U
52 0603576N	CHALK EAGLE	4	57,825	109,739	149,679 U
53 0603582N	Combat System Integration	4	9,298	5,246	3,879 U
54 0603609N	Conventional Munitions	4	39,507	34,329	26,490 U
55 0603610N	Advanced Warhead Development (MK-50)	4	2,900	1,329	U

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56 0603611M	Marine Corps Assault Vehicles	4	29,158	38,822	40,106 U
57 0603612M	Marine Corps Mine/Countermeasures Systems - Adv	4	4,540	1,722	592 U
58 0603635M	Marine Corps Ground Combat/Support System	4	26,170	49,338	44,891 U
59 0603654N	Joint Service Explosive Ordnance Development	4	8,362	7,072	4,639 U
60 0603709N	Advanced Marine Biological System	4	3,478		U
61 0603711N	Fleet Tactical Development	4	4,573	4,122	3,398 U
62 0603713N	Ocean Engineering Technology Development	4	14,047	4,982	8,606 U
63 0603721N	Environmental Protection	4	48,975	63,863	48,401 U
64 0603724N	Navy Energy Program	4	6,528	1,917	3,080 U
65 0603725N	Facilities Improvement	4	2,493	1,748	2,239 U
66 0603734N	CHALK CORAL	4	67,214	68,847	77,675 U
67 0603746N	RETRACT MAPLE	4	99,891	85,024	83,809 U
68 0603748N	LINK PLUMERIA	4	30,962	20,816	26,433 U
69 0603751N	RETRACT ELM	4	39,825	30,411	24,993 U
70 0603755N	Ship Self Defense	4	229,634	316,446	216,486 U
71 0603763N	Warfare Systems Architecture and Engineering	4	9,075		U
72 0603785N	Combat Systems Oceanographic Performance	4	19,637	15,511	13,650 U
73 0603787N	Special Processes	4	32,301	69,975	82,764 U
74 0603790N	NATO Research and Development	4			9,933 U
75 0603795N	Gun Weapon System Technology	4	18,862	32,958	42,204 U

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Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e c	Thousands of Dollars S
76 0603800N	Joint Advanced Strike Technology - Dem/Val	4	98,272	81,215	246,833 U	
77 0604707N	Space and Electronic Warfare (SEW) Architecture/	4	5,941	5,468	5,212 U	
	Demonstration and Validation					
78 0603266N	AH-1T Composite Rotor Blade (H)	5		11,263	1,740,955	
79 0604212N	Other Heli Development	5	89,009	75,376	40,132 U	
80 0604214N	AV-8B Aircraft - Eng Dev	5	9,560	26,063	16,874 U	
81 0604215N	Standards Development	5	16,102	10,212	24,698 U	
82 0604217N	S-3 Weapon System Improvement	5	13,577	12,469	4,979 U	
83 0604218N	Air/Ocean Equipment Engineering	5	5,299	5,928	5,631 U	
84 0604221N	P-3 Modernization Program	5	4,994	16,414	2,074 U	
85 0604231N	Tactical Command System	5	34,979	23,385	26,989 U	
86 0604261N	Acoustic Search Sensors	5	18,416	9,353	12,141 U	
87 0604262N	V-22A	5	452,669	733,728	576,792 U	
88 0604264N	Air Crew Systems Development	5	13,994	16,953	11,089 U	
89 0604265N	Air Launched Saturation System (ALSS)	5	2,500		U	
90 0604270N	EW Development	5	94,355	91,742	78,748 U	
91 0604301N	MK 92 Fire Control System Upgrade	5	1,692		U	
92 0604307N	AEGIS Combat System Engineering	5	89,508	91,501	89,279 U	
93 0604310N	Arsenal Ship	5			25,000 U	

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Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 S e c
Thousands of Dollars					
94 0604311N	LPD-17 Class Systems Integration	5	31,860	4,272	U
95 0604312N	Tri-Service Standoff Attack Missile	5	14,323	1,637	U
96 0604366N	Standard Missile Improvements	5	1,301		U
97 0604372N	New Threat Upgrade	5	19,357	33,379	14,522
98 0604373N	Airborne MCM	5	40,641	67,691	61,395
99 0604503N	SSN-688 and Trident Modernization	5	7,841	7,577	10,750
100 0604504N	Air Control	5	11,541	14,377	3,718
101 0604507N	Enhanced Modular Signal Processor	5	1,910	10,988	6,571
102 0604512N	Shipboard Aviation Systems	5	8,521	4,755	6,832
103 0604516N	Ship Survivability	5	13,172	15,359	10,280
104 0604518N	Combat Information Center Conversion	5	84,681	41,831	18,952
105 0604524N	Submarine Combat System	5	228,839	336,014	394,000
106 0604558N	New Design SSN	5	69,160	80,819	91,931
107 0604561N	SSN-21 Developments	5	20,277	37,269	22,899
108 0604562N	Submarine Tactical Warfare System	5	152,254	17,433	7,221
109 0604567N	Ship Contract Design/ Live Fire T&E	5	16,640	14,670	5,237
110 0604574N	Navy Tactical Computer Resources	5	3,161	2,951	2,505
111 0604601N	Mine Development	5	73,406	51,833	22,322
112 0604603N	Unguided Conventional Air-Launched Weapons	5	10,754	21,336	15,019
113 0604610N	Lightweight Torpedo Development	5			U

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			FY 1995 ---	FY 1996 ---	FY 1997 e ---
114 0604612M	Marine Corps Mine Countermeasures Systems - Eng	5	1,465	930	5,742 U
115 0604618N	Joint Direct Attack Munition	5	24,021	29,568	35,130 U
116 0604654N	Joint Service Explosive Ordnance Development	5	6,242	5,240	7,346 U
117 0604703N	Personnel, Training, Simulation, and Human Factor	5	1,117	1,013	1,013 U
118 0604710N	Navy Energy Program	5	3,156	2,548	1,983 U
119 0604719M	Marine Corps Command/Control/Communications	5	8,061	9,946	U
120 0604721N	Battle Group Passive Horizon Extension System	5	14,668	10,639	3,704 U
121 0604727N	Joint Standoff Weapon Systems	5	114,396	79,259	86,266 U
122 0604755N	Ship Self Defense	5	208,995	200,324	134,677 U
123 0604761N	Intelligence Engineering	5	3,941		U
124 0604771N	Medical Development	5	1,681	3,297	3,148 U
125 0604777N	Navigation/ID System	5	67,091	48,398	46,885 U
126 0604784N	Distributed Surveillance System	5	101,904	100,119	35,194 U
	Engineering and Manufacturing Development	2,213,031	2,395,815		2,048,657
127 0604256N	Threat Simulator Development	6	31,611	28,991	23,536 U
128 0604258N	Target Systems Development	6	26,636	23,582	31,120 U
129 0604759N	Major T&E Investment	6	55,809	49,027	40,612 U
130 0605152N	Studies and Analysis Support - Navy	6	6,667	6,778	7,174 U
131 0605154N	Center for Naval Analyses	6	43,348	43,062	42,251 U

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				FY 1995	FY 1996	FY 1997
132	0605155N	Fleet Tactical Development	6	4,332	2,522	2,998
133	0605502N	Small Business Innovative Research	6	112,753		U
134	0605804N	Technical Information Services	6	4,955	1,965	1,725
135	0605853N	Management, Technical & International Support	6	9,366	17,978	20,905
136	0605856N	Strategic Technical Support	6	2,213	2,903	2,059
137	0605861N	RDT&E Science and Technology Management	6	61,975	59,134	58,348
138	0605862N	RDT&E Instrumentation Modernization	6	12,551	11,516	6,196
139	0605863N	RDT&E Ship and Aircraft Support	6	80,524	59,915	50,348
140	0605864N	Test and Evaluation Support	6	285,756	236,390	242,891
141	0605865N	Operational Test and Evaluation Capability	6	8,147	6,040	5,999
142	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	4,245	3,028	2,868
143	0605867N	SEW Surveillance/Reconnaissance Support	6	11,541	11,727	11,986
144	0605871M	Marine Corps Tactical Exploitation of National	6	925	2,891	U
145	0605873M	Marine Corps Program Wide Support	6	7,303	5,932	7,424
146	0909999N	Financing for Cancelled Account Adjustments	6	5,699		U
				776,356	573,381	558,440
147	0101221N	Strategic Sub & Weapons System Support	7	28,506	35,445	41,790
148	0101224N	SSBN Security Technology Program	7	33,508	29,107	21,340
149	0101226N	Submarine Acoustic Warfare Development	7	525	7,690	7,917

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Program Line Element No Number	Item	Act ---	Thousands of Dollars		
			FY 1995 ---	FY 1996 ---	FY 1997 e c
150 0101402N	Navy Strategic Communications	7	72,763	19,357	U
151 0204136N	F/A-18 Squadrons	7	1,306,742	887,429	425,333 U
152 0204152N	E-2 Squadrons	7	47,707	60,961	65,025 U
153 0204163N	Fleet Telecommunications (Tactical)	7	37,233	21,746	20,013 U
154 0204229N	Tomahawk and Tomahawk Mission Planning Center	7	82,976	164,665	136,364 U
155 0204311N	Integrated Surveillance System	7	41,194	31,448	14,033 U
156 0204413N	Amphibious Tactical Support Units	7	4,592	4,229	1,548 U
157 0204571N	Consolidated Training Systems Development	7	58,017	59,214	34,906 U
158 0204575N	Electronic Warfare (EW) Readiness Support	7			1,651 U
159 0205601N	HARM Improvement	7		3,247	3,348 U
160 0205604N	Tactical Data Links	7	29,441	47,430	37,302 U
161 0205620N	Surface ASW Combat System Integration	7	15,286	9,623	4,901 U
162 0205632N	MK-48 ADCAP	7	26,703	21,516	12,772 U
163 0205633N	Aviation Improvements	7	63,265	64,773	53,512 U
164 0205658N	Navy Science Assistance Program	7	7,071	5,848	5,067 U
165 0205667N	F-14 Upgrade	7	34,072	17,739	9,879 U
166 0205675N	Operational Nuclear Power Systems	7	58,668	56,236	55,876 U
167 0206313M	Marine Corps Communications Systems	7	7,485	6,421	56,687 U
168 0206623M	Marine Corps Ground Combat/Supporting Arms System	7	17,324	14,789	7,280 U
169 0206624M	Marine Corps Combat Services Support	7	2,998	7,249	5,211 U

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Program Line Element No	Element Item	Act	Thousands of Dollars		
			FY 1995	FY 1996	FY 1997
170 0206625M	Marine Corps Intelligence/Electronics Warfare	7	10,164	6,448	U
171 0206626M	Marine Corps Command/Control/Communications	7	19,149	17,241	U
172 0207161N	Tactical AIM Missiles	7		28,787	58,415 U
173 0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	15,703	4,330	2,274 U
174 0301303N	Maritime Intelligence	7			
175 0301327N	Technical Reconnaissance and Surveillance	7			
176 0303109N	Satellite Communications (SPACE)	7	43,303	36,341	38,257 U
177 0303140N	Information Systems Security Program	7	18,065	24,036	26,936 U
178 0304111N	Special Activities	7			
179 0305154N	Defense Airborne Reconnaissance Program	7			
180 0305160N	Defense Meteorological Satellite Program (SPACE)	7	15,697	17,778	1,195 U
181 0305927N	Naval Space Surveillance	7	805	729	706 U
182 0708011N	Industrial Preparedness	7		85,228	35,526 U
	Operational Systems Development				
			2,642,982	2,370,812	1,686,662
Total	Research Development Test & Eval Navy		8,606,317	8,419,734	7,334,734

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Summary Date: MAR 1996

	Thousands of Dollars		
	FY 1995	FY 1996	FY 1997
Summary Recap of Budget Activities			
Basic Research	224,978	229,188	234,475
Applied Research	642,738	639,589	638,476
Advanced Technology Development	538,334	492,231	426,521
Demonstration and Validation	426,150	488,041	727,684
Engineering and Manufacturing Development	4,455,747	4,521,876	4,677,932
RDT&E Management Support	971,130	997,561	821,553
Operational Systems Development	4,324,922	5,309,490	6,890,815
Total Research Development Test & Eval AF	11,583,999	12,677,976	14,417,456
Summary Recap of FYDP Programs			
Strategic Forces	8,632	40,863	30,717
General Purpose Forces	1,176,280	1,155,211	1,438,684
Intelligence and Communications	2,956,117	3,784,237	5,451,893
Mobility Forces	19,749	22,165	95,930
Research and Development (FYDP Program 6)	7,384,314	7,581,392	7,318,413
Central Supply and Maintenance	29,688	79,271	70,382
Training Medical and Other	1,441	1,017	1,887
Administration and Assoc Activities	5,929	5,714	5,917
Support of Other Nations	1,849	8,106	3,633
Total Research Development Test & Eval AF	11,583,999	12,677,976	14,417,456

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Department of the Air Force
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Date: MAR 1996

Program Line Element No Number	Item	Act ---	Thousands of Dollars		
			FY 1995	FY 1996	FY 1997
1 0601102F	Defense Research Sciences	1	224,978	229,188	234,475 U
	Basic Research		224,978	229,188	234,475
2 0602102F	Materials	2	65,336	71,683	72,360 U
3 0602201F	Aerospace Flight Dynamics	2	56,755	60,947	65,080 U
4 0602202F	Armstrong Lab Exploratory Development	2	44,832	82,420	87,103 U
5 0602203F	Aerospace Propulsion	2	69,440	72,237	74,906 U
6 0602204F	Aerospace Avionics	2	63,330	65,789	71,261 U
7 0602205F	Personnel, Training and Simulation	2	31,487		U
8 0602206F	Civil Engineering and Environmental Quality	2	6,104		U
9. 0602269F	Hypersonic Technology Program	2	18,496	18,448	7,471 U
10 0602601F	Phillips Lab Exploratory Development	2	154,804	131,733	121,107 U
11 0602602F	Conventional Munitions	2	41,504	43,276	42,573 U
12 0602702F	Command Control and Communications	2	90,650	93,056	96,615 U
	Applied Research		642,738	639,589	638,476
13 0603106F	Logistics Systems Technology	3	14,195	17,252	18,254 U
14 0603108F	Integrated Data Systems	3	8,340	14,404	18,232 U
15 0603112F	Advanced Materials for Weapon Systems	3	18,827	21,864	23,803 U
16 0603202F	Aerospace Propulsion Subsystems Integration	3	27,654	28,294	28,318 U
17 0603203F	Advanced Avionics for Aerospace Vehicles	3	26,329	30,577	28,691 U

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Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 S e
Thousands of Dollars					
18 0603205F	Flight Vehicle Technology	3	6,336	10,250	8,433 U
19 0603211F	Aerospace Structures	3	11,339	12,615	10,423 U
20 0603216F	Aerospace Propulsion and Power Technology	3	34,133	39,632	38,264 U
21 0603227F	Personnel, Training and Simulation Technology	3	8,382	8,574	7,761 U
22 0603231F	Crew Systems and Personnel Protection Technology	3	17,666	20,852	17,969 U
23 0603238F	Global Surveillance and Communication Technology	3	1,883	2,383	2,293 U
24 0603245F	Flight Vehicle Technology Integration	3	8,487	11,857	6,423 U
25 0603250F	Lincoln Laboratory	3	11,126		U
26 0603253F	Advanced Avionics Integration	3	15,772	16,749	15,488 U
27 0603270F	Electronic Combat Technology	3	16,979	21,464	25,202 U
28 0603302F	Space and Missile Rocket Propulsion	3	15,318	19,246	15,740 U
29 0603311F	Ballistic Missile Technology	3	4,489	3,694	2,828 U
30 0603401F	Advanced Spacecraft Technology	3	44,991	58,973	39,637 U
31 0603410F	Space Systems Environmental Interactions	3	3,867	3,349	2,914 U
32 0603428F	Space Subsystems Technology	3	7,536		U
33 0603601F	Conventional Weapons Technology	3	28,710	32,455	24,885 U
34 0603605F	Advanced Weapons Technology	3	87,120	71,603	41,895 U
35 0603707F	Weather Systems Technology	3	4,778	4,414	3,406 U
36 0603723F	Environmental Engineering Technology	3	9,126	8,478	7,885 U
37 0603726F	C3I Subsystem Integration	3	8,214	11,404	8,777 U

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38	0603728F		Advanced Computing Technology	3	8,485	9,879	8,509	U
39	0603771F		Industrial Preparedness Manufacturing Technology	3	78,274			U
40	0603789F	C3	Advanced Development	3	9,978	11,969	10,895	U
41	0305176F		Combat Survivor Evader Locator	3			9,596	U
			Advanced Technology Development					
42	0603260F		Intelligence Advanced Development	4	4,981	4,781	4,878	U
43	0603307F		Air Base Operability Advanced Development	4	2,240			U
44	0603319F		Airborne Laser Technology	4	19,086	18,986	56,828	U
45	0603402F		Space Test Program (SPACE)	4	53,281			U
46	0603430F		Advanced MILSATCOM (SPACE)	4	21,674	29,143	31,643	U
47	0603432F		Polar Adjunct (SPACE)	4	14,999	55,615	62,387	U
48	0603434F		National Polar-orbiting Operational Environmental	4	7,374	17,691	34,024	U
49	0603438F		Satellite Systems Survivability	4	1,906			U
50	0603441F		Space Based Infrared Architecture (SPACE) - Dem/	4	115,418	199,663	120,151	U
51	0603617F		Command, Control, and Communication Applications	4	5,217	6,037	4,378	U
52	0603742F		Combat Identification Technology	4	14,134	4,291	4,225	U
53	0603790F		NATO Research and Development (H)	4			10,233	U
54	0603800F		Joint Advanced Strike Technology - Dem/Val	4	83,780	81,154	263,836	U
55	0603851F		Intercontinental Ballistic Missile - Dem/Val	4	48,182	19,533	30,644	U

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			FY 1995	FY 1996	FY 1997
56 0603852F	C-130J - Dem/Yal	4	4,832	4,832	U
57 0603853F	Evolved Expendable Launch Vehicle Program (SPACE)	4	29,046	37,147	44,457 U
58 0603854F	Global Broadcast Service	4	14,000	14,000	45,000 U
59 0603855F	Space Architect Office	4		15,000	15,000 U

Demonstration and Validation					
60 0604201F	Aircraft Avionics Equipment Development	5	4,674	15,833	18,620 U
61 0604218F	Engine Model Derivative Program (EMDP)	5	739	721	705 U
62 0604222F	Nuclear Weapons Support	5	5,503	4,550	4,788 U
63 0604226F	B-1B	5	75,702	189,527	220,932 U
64 0604227F	Training Systems Development	5	13,669	8,349	4,439 U
65 0604231F	C-17 Program	5	184,419	69,968	U
66 0604233F	Specialized Undergraduate Pilot Training	5	36,274	58,999	84,291 U
67 0604237F	Variable Stability In-Flight Simulator Test	5	1,989		U
68 0604239F	F-22 EMD	5	2,280,555	2,164,897	2,002,959 U
69 0604240F	B-2 Advanced Technology Bomber	5	365,511	582,649	528,454 U
70 0604243F	Manpower, Personnel and Training Development	5	4,260	5,006	4,940 U
71 0604249F	Night/Precision Attack	5	16,760	8,978	U
72 0604268F	Aircraft Engine Component Improvement Program	5	92,376		U
73 0604270F	EW Development	5	97,732	47,066	104,423 U

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Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e S
Thousands of Dollars					
74 0604321F	Combat Intelligence System - EMD	5	8,313	3,617	1,943 U
75 0604441F	Space Based Infrared Architecture (SPACE) - EMD	5	112,981	162,276	173,290 U
76 0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	581,242	541,869	700,278 U
77 0604480F	Global Positioning System Block IIF (SPACE)	5		18,656	37,142 U
78 0604600F	Munitions Dispenser Development	5	26,318	50,088	56,229 U
79 0604601F	Chemical/Biological Defense Equipment	5	7,318		U
80 0604602F	Armament/Ordnance Development	5	18,100	7,597	3,642 U
81 0604604F	Submunitions	5	3,534	14,350	4,873 U
82 0604609F	R&M Maturation/Technology Insertion	5	8,569		U
83 0604617F	Air Base Operability	5	5,432	9,077	2,926 U
84 0604618F	Joint Direct Attack Munition	5	65,553	85,916	38,636 U
85 0604703F	Aeromedical/Chemical Defense Systems	5	7,890	5,936	5,977 U
86 0604704F	Common Support Equipment Development	5	1,383	1,118	U
87 0604706F	Life Support Systems	5	4,868	3,809	4,363 U
88 0604708F	Civil, Fire, Environmental, Shelter Engineering	5	3,086	2,598	2,736 U
89 0604711F	Systems Survivability (Nuclear Effects)	5		36	36 U
90 0604727F	Joint Standoff Weapons Systems	5	54,805	41,448	23,563 U
91 0604733F	Surface Defense Suppression	5	4,751		U
92 0604735F	Combat Training Ranges	5	13,664	9,739	23,018 U
93 0604740F	Computer Resource Technology Transition (CRTT)	5	12,120	8,746	1,956 U

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			FY 1995	FY 1996	FY 1997 C e S
94 0604750F	Intelligence Equipment	5	2,553	1,255	1,211 U
95 0604754F	Joint Tactical Information Distribution System	5	10,975	9,124	11,075 U
96 0604770F	Joint Surveillance/Target Attack Radar System	5	166,278	165,002	207,284 U
97 0604779F	Joint Interoperability of Tactical Command &	5	1,918	5,824	5,976 U
98 0604851F	Intercontinental Ballistic Missile - EMD	5	140,565	180,911	198,595 U
99 0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	5		23,770	198,632 U
100 0303606F	UHF Satellite Communications	5	13,368	12,571	U

Engineering and Manufacturing Development					
101 0603402F	Space Test Program (SPACE)	6	45,455,747	4,521,876	4,677,932
102 0604256F	Threat Simulator Development	6	38,900	55,113	43,635 U
103 0604258F	Target Systems Development	6	7,336	5,055	4,966 U
104 0604759F	Major T&E Investment	6	48,492	35,815	33,529 U
105 0605101F	RAND Project Air Force	6	24,000	24,000	23,292 U
106 0605306F	Ranch Hand II Epidemiology Study	6	3,156	3,025	9,212 U
107 0605502F	Small Business Innovative Research (H)	6	164,836	174,855	U
108 0605704F	Theater Air Defense BMC4I	6			12,496 U
109 0605708F	Navigation/Radar/Sled Track Test Support	6	29,554	2,941	U
110 0605712F	Initial Operational Test & Evaluation	6	30,504	23,806	26,921 U
111 0605807F	Test and Evaluation Support	6	377,227	423,827	425,195 U

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Department of the Air Force
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: MAR 1996

Program			Thousands of Dollars			
Line No	Element Number	Item	Act	FY 1995	FY 1996	FY 1997
112	0605808F	Development Planning	6	5,911	6,495	6,531
113	0605853F	Environmental Conservation	6		4,055	10,870
114	0605854F	Pollution Prevention	6		13,486	20,628
115	0605856F	Environmental Compliance	6	42,375	25,692	22,698
116	0605860F	Rocket Systems Launch Program (SPACE)	6		32,808	8,152
117	0605863F	RDTE Aircraft Support	6	34,826		U
118	0605876F	Minor Construction (RPM) - RDTE	6	3,531		U
119	0605878F	Maintenance and Repair (RPM) - RDTE	6	54,245		U
120	0605896F	Base Operations - RDTE	6	106,125	121,556	128,676
121	0909900F	Financing for Expired Account Adjustments	6	112		U
RDTE Management Support			971,130	997,561	821,553	
122	0603107F	Technical Evaluation System	7			
123	0603110F	Special Evaluation System	7			
124	0604268F	Aircraft Engine Component Improvement Program	7		124,711	
125	0101113F	B-52 Squadrons	7		20,005	11,035
126	0101120F	Advanced Cruise Missile	7		6,792	1,165
127	0102325F	Joint Surveillance System	7	2,651	4,582	13,239
128	0102411F	North Atlantic Defense System	7	3,980	8,502	5,278
129	0102412F	North Warning System (NWS)	7	1,991	982	U

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Department of the Air Force
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: MAR 1996

Program Line Element No Number	Item	Act.	FY 1995	FY 1996	FY 1997	S e
Thousands of Dollars						
130 0207129F	F-111 Squadrons	7	4,422	568		U
131 0207133F	F-16 Squadrons	7	133,227	164,230	142,202	U
132 0207134F	F-15E Squadrons	7	108,611	160,288	143,095	U
133 0207136F	Manned Destructive Suppression	7	36,233	10,354	12,384	U
134 0207141F	F-117A Squadrons	7		3,688	12,050	U
135 0207160F	Tri-Service Standoff Attack Missile	7	17,670			U
136 0207161F	Tactical AIM Missiles	7		18,982	36,382	U
137 0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	63,855	44,413	25,883	U
138 0207217F	Podded Reconnaissance System	7			6,714	U
139 0207247F	AF TENCAP	7	23,232	20,707	20,116	U
140 0207248F	Special Evaluation Program	7	121,059	82,188	53,495	U
141 0207268F	Aircraft Engine Component Improvement Program	7			99,050	U
142 0207320F	Sensor Fused Weapons	7	1,429			U
143 0207412F	Theater Air Control Systems	7	6,555	242	622	U
144 0207417F	Airborne Warning and Control System (AWACS)	7	81,493	90,722	57,559	U
145 0207419F	Tactical Airborne Command and Control Systems	7	2,619	1,931	342	U
146 0207422F	Deployable C3 Systems	7	2,527			U
147 0207423F	Advanced Communications Systems	7	444	1,842	1,822	U
148 0207424F	Evaluation and Analysis Program	7	67,784	72,762	85,521	U
149 0207431F	Combat Air Intelligence System Activities	7			7,749	U

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Department of the Air Force
FY 1997 R D T & E Program

Appropriation: 3600 F Research Development Test & Eval AF

Exhibit R-1

Date: MAR 1996

Program Line Element No. Number	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
150 0207433F	Advanced Program Technology	7	157,564	146,915	72,501	U
151 0207438F	Theater Battle Management (TBM) C4I	7	28,476	27,844	30,915	U
152 0207579F	Advanced Systems Improvements	7	119,946	60,843		U
153 0207590F	Seek Eagle	7	15,449	16,394	15,469	U
154 0207591F	Advanced Program Evaluation	7	127,422	143,064	198,327	U
155 0207601F	USAF Wargaming and Simulation	7	14,656	18,794	19,361	U
156 0208006F	Mission Planning Systems	7	13,851	19,068	18,500	U
157 0208021F	Electronic Combat Support	7				
158 0208060F	Theater Missile Defenses	7	26,215	24,230	22,285	U
159 0208160F	Technical Evaluation System	7				
160 0208161F	Special Evaluation System	7				
161 0301310F	Foreign Technology Division	7				
162 0301313F	Defense Dissemination Program	7				
163 0301315F	Missile and Space Technical Collection	7				
164 0301324F	FOREST GREEN	7				
165 0303110F	Defense Satellite Communications System (SPACE)	7	14,187	31,077	24,527	U
166 0303131F	Minimum Essential Emergency Communications	7	28,661	14,895	21,902	U
167 0303140F	Information Systems Security Program	7	11,355	11,300	6,900	U
168 0303144F	Electromagnetic Compatibility Analysis Center	7	9,163		7,667	U
169 0303152F	World-Wide Military Command and Control Systems,	7	1,900		7,481	U

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Department of the Air Force
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: MAR 1996

Program Line Element No Number	Element Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e ---	Thousands of Dollars S e ---
170 0303601F	Milstar Satellite Communications System (SPACE)	7	17,664	40,969	26,962	U
171 0303605F	Satellite Communications Terminals	7	1,702			
172 0304111F	Special Activities	7				
173 0304311F	Selected Activities	7				
174 0305110F	Satellite Control Network (SPACE)	7	69,325	78,830	89,960	U
175 0305111F	Weather Service	7	19,268	5,360	5,126	U
176 0305114F	Air Traffic Control, Approach, and Landing System	7	6,933	3,719	3,870	U
177 0305119F	Medium Launch Vehicles (SPACE)	7	19,717	20,683	13,368	U
178 0305128F	Security and Investigative Activities	7		290	289	U
179 0305137F	National Airspace System (NAS) Plan	7	29,490	12,627	12,614	U
180 0305138F	Upper Stage Space Vehicles (SPACE)	7	3,547	3,359	3,154	U
181 0305142F	Applied Technology and Integration	7				
182 0305144F	Titan Space Launch Vehicles (SPACE)	7	143,208	126,330	105,472	U
183 0305145F	Arms Control Implementation	7	2,653	954	26,786	U
184 0305158F	CONSTANT SOURCE	7	3,123	2,892	2,914	U
185 0305160F	Defense Meteorological Satellite Program (SPACE)	7	18,599	19,913	17,964	U
186 0305164F	NAVSTAR Global Positioning System (User	7	13,781	16,460	32,450	U
187 0305165F	NAVSTAR Global Positioning System (Space and	7	35,258	28,023	42,243	U
188 0305172F	Combined Advanced Applications	7				
189 0305182F	Eastern Space Launch Facility (ESLF) (SPACE)	7	38,492	48,279	35,704	U

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Department of the Air Force
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Program Line Element No	Item	Thousands of Dollars			
		Act	FY 1995	FY 1996	FY 1997
190 0305887F	Intelligence Support to Information Warfare	7	1,833		U
191 0305906F	NCMC - TW/AA System	7	127,446	63,554	31,692 U
192 0305910F	SPACETRACK (SPACE)	7	40,724	54,705	18,867 U
193 0305911F	Defense Support Program (SPACE)	7	60,628	34,870	29,397 U
194 0305913F	NUDET Detection System (SPACE)	7	9,815	12,154	13,623 U
195 0308610F	Information Management-Automation-Program 3	7		10,400	15,193 U
196 0401119F	C-5 Airlift Squadrons	7		5,000	1,153 U
197 0401130F	C-17 Aircraft	7			87,486 U
198 0401214F	Air Cargo Material Handling (463-L) (Non-IF)	7			3,212 U
199 0401218F	KC-135s	7	19,749	12,056	757 U
200 0404102F	Aerospace Rescue and Recovery	7		5,109	3,322 U
201 0702207F	Depot Maintenance (Non-IF)	7	2,032	1,423	1,444 U
202 0708011F	Industrial Preparedness	7		57,945	49,969 U
203 0708012F	Logistics Support Activities	7	5,621		U
204 0708026F	Productivity, Reliability, Availability,	7	6,527	14,290	13,564 U
205 0708054F	Pollution Prevention	7	15,508		U
206 0708611F	Support Systems Development	7		5,613	5,405 U
207 0804734F	Cryptologic/SIGINT-Related Skill Training	7	1,441	1,017	1,887 U
208 0901218F	Civilian Compensation Program	7	5,817	5,714	5,917 U
209 1001004F	International Activities	7	1,849	3,606	3,633 U
210 1001018F	NATO Joint STARS	7		4,500	U
	Operational Systems Development		4,324,922	5,309,490	6,890,815
Total	Research Development Test & Eval AF	11,583,999	12,677,976	14,417,456	

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Summary Date: MAR 1996

	FY 1995	FY 1996	FY 1997
Summary Recap of Budget Activities			
Basic Research	328,561	339,189	330,631
Applied Research	1,189,378	1,234,838	1,148,557
Advanced Technology Development	2,054,462	1,998,365	2,045,384
Demonstration and Validation	1,948,509	2,323,786	1,617,190
Engineering and Manufacturing Development	451,168	622,217	994,968
RDT&E Management Support	419,539	338,754	224,122
Operational Systems Development	2,211,855	2,178,975	2,037,984
Total Research Development Test & Eval Defwide	8,603,472	9,036,124	8,398,836

Summary Recap of FYDP Programs

General Purpose Forces	33,907	23,192	24,268
Intelligence and Communications Research and Development (FYDP Program 6)	1,984,917	1,992,122	1,851,478
Central Supply and Maintenance	6,379,301	6,855,330	6,358,996
Administration and Assoc Activities			
Special Operations Forces	5,629	6,659	6,831
	199,718	11,000	34,912
		147,821	122,351
Total Research Development Test & Eval Defwide	8,603,472	9,036,124	8,398,836

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FY 1997		Defensewide	R D T & E Program	Exhibit R-1
		Summary		Date: MAR 1996
				Thousands of Dollars
		FY 1995	FY 1996	FY 1997
Summary Recap of Defensewide				
Defense Mapping Agency		76,228	71,932	100,997
Special Operations Command		199,718	147,821	122,351
Chemical and Biological Defense Program		26,621	255,252	296,831
Ballistic Missile Defense Organization		2,444,032	2,996,549	2,534,182
Office of Secretary/Defense		1,892,284	1,685,399	1,495,928
Defense Advanced Research Projects Agcy		2,371,941	2,216,884	2,177,923
National Security Agency		245,204	260,491	221,330
Defense Nuclear Agency		46,664	54,957	55,911
Defense Support Project Office		4,154	12,532	38,776
Joint Chiefs of Staff		82,533	61,876	67,786
Defense Information Systems Agency				
Defense Intelligence Agency				
Central Imagery Office				
Defense Logistics Agency				
Defense Investigative Service				
Total Research Development Test & Eval Defwide		76,452	75,196	84,027
		-----	8,603,472	9,036,124
				8,398,836

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FY 1997 Defensewide
Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program	Line Element	Item	Act	FY 1995	FY 1996	FY 1997	S
No	Number		---	---	---	---	e
1	0601101D	In-House Laboratory Independent Research	1	2,242	3,411	2,154	U
2	0601101E	Defense Research Sciences	1	85,069	77,600	74,923	U
3	0601103D	University Research Initiatives	1	235,674	222,043	209,235	U
4	0601110D	Focused Research Initiatives	1	5,576	8,654	15,580	U
5	0601384BP	Chemical and Biological Defense Program	1	---	27,481	28,739	U
		Basic Research		328,561	339,189	330,631	---
6	0602160D	Counterproliferation Support	2	---	13,882	---	U
7	0602173C	Support Technologies/Follow-on Technologies	2	80,948	90,731	94,973	U
8	0602227D	Medical Free Electron Laser	2	22,070	25,223	23,457	U
9	0602228D	Historically Black Colleges and Universities	2	21,268	14,195	11,163	U
10	0602234D	Lincoln Laboratory Research Program	2	---	12,393	20,068	U
11	0602301E	Computing Systems and Communications Technology	2	376,490	363,038	346,957	U
12	0602384BP	Chemical and Biological Defense Program	2	9,721	67,683	65,273	U
13	0602702E	Tactical Technology	2	118,755	127,205	117,944	U
14	0602708E	Integrated Command and Control Technology	2	79,375	48,342	45,000	U
15	0602712E	Materials and Electronics Technology	2	260,979	235,159	218,539	U
16	0602715H	Defense Nuclear Agency	2	210,793	227,964	195,131	U
17	0602787D	Medical Technology	2	7,339	7,204	8,196	U
18	0305108K	Command and Control Research	2	1,640	1,819	1,856	U
		Applied Research		1,189,378	1,234,838	1,148,557	---

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Appropriation: 0400 D Research Development Test & Eval Defwide

FY 1997 R D T & E Program

Exhibit R-1

Date: MAR 1996

Program Line Element No Number	Item	Act	FY 1995	FY 1996	FY 1997
19 0603002D	Medical Advanced Technology	3	3,884	3,926	3,363 U
20 0603104D	Explosives Demilitarization Technology	3	3,794	15,000	U
21 0603105D	Military HIV Research	3		19,212	U
22 0603120D	Demining	3			7,746 U
23 0603122D	Counterterror Technical Support	3	7,765	17,608	16,521 U
24 0603160D	Counterproliferation Support - Adv Dev	3	23,708	62,753	54,142 U
25 0603173C	Support Technologies/Follow-on Technologies -	3	126,585	126,341	134,905 U
26 0603225D	Joint DoD-Doe Munitions Technology Development	3	23,172	20,939	16,158 U
27 0603226E	Experimental Evaluation of Major Innovative	3	581,818	582,616	635,553 U
28 0603232D	Automatic Target Recognition	3			4,841 U
29 0603384BP	Chemical and Biological Defense Program -	3		34,349	41,685 U
30 0603569E	Advanced Submarine Technology	3	31,400	31,687	U
31 0603570D	Defense Laboratory Partnership Program	3	58,971		U
32 0603570E	Defense Reinvestment	3	208,067	185,741	U
33 0603704D	Special Technical Support	3	16,332	17,470	12,068 U
34 0603711H	Verification Technology Demonstration	3	34,411	32,527	26,199 U
35 0603712S	Generic Logistics R&D Technology Demonstrations	3		11,539	18,162 U
36 0603716D	Strategic Environmental Research Program	3	52,340	55,859	54,880 U
37 0603724D	Biological Defense - Advanced Development	3	50,001		U
38 0603726D	Joint Technology Insertion Program	3		3,339	14,523 U

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Defensewide
FY 1997 R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program Line Element No Number	Item	Act ---	Thousands of Dollars		
			FY 1995	FY 1996	FY 1997 c e
39	0603736D	CALS Initiative	3	13,102	U
40	0603738D	Cooperative DOD/VA Medical Research	3	41,845	U
41	0603739E	Advanced Electronics Technologies	3	383,459	332,100 U
42	0603744E	Advanced Simulation	3	27,910	4,887 U
43	0603745E	Semiconductor Manufacturing Technology	3	88,327	37,296 U
44	0603746E	Maritime Technology	3	38,780	47,196 37,408 U
45	0603747E	Electric Vehicles	3	14,170	14,694 U
46	0603750D	Advanced Concept Technology Demonstrations	3	29,952	37,087 98,471 U
47	0603752D	Commercial Technology Insertion Program	3		48,411 U
48	0603755D	High Performance Computing Modernization Program	3	61,797	114,961 99,880 U
49	0603756D	Consolidated DOD Software Initiative	3	23,109	U
50	0603771S	Industrial Preparedness Manufacturing Technology	3	19,097	U
51	0603800E	Joint Advanced Strike Technology - Dem/Val	3	29,557	78,400 U
52	0603805E	Dual Use Applications Programs	3		250,000 U
53	0603832D	Joint Wargaming Simulation Management Office	3	51,696	74,624 59,968 U
54	0603889E	Counterdrug RD&E Projects	3	38,970	U
					2,045,384
					1,998,365
55	0603228D	Physical Security Equipment	4	25,915	19,299 18,676 U
56	0603708D	Integrated Diagnostics	4	10,818	9,861 9,742 U

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FY 1997 Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program Line Element No	Element No	Item	Act ---	FY 1995	FY 1996	FY 1997 e c	Thousands of Dollars
57	0603709D	Joint Robotics Program	4	22,978	16,566	23,744	U
58	0603714D	Advanced Sensor Applications Program	4	31,226	29,900	24,001	U
59	0603715D	AIM-9 Consolidated Program	4	48,024			U
60	0603734J	Island Sun Support	4	2,698	1,359	1,246	U
61	0603736D	CALS Initiative	4	29,377	5,789	1,936	U
62	0603790D	NATO Research and Development	4	43,111	22,573	22,776	U
63	0603851D	Environmental Security Technical Certification	4	452,384	560,862	226,837	U
64	0603861C	Theater High-Altitude Area Defense System - TMD	4	169,993			U
65	0603862C	Theater Missile Defense Ground Based Radar (GBR)	4	26,800	22,563	14,155	U
66	0603863C	HAWK Upgrades Theater Missile Defense Acquisition	4	19,893	23,466		U
67	0603864C	Battle Management and C4I for TMD Acquisition	4	139,834	181,603	58,171	U
68	0603867C	Navy Lower Tier TMD Acquisition - Dem/Val	4	75,000	196,761	58,171	U
69	0603868C	Navy Upper Tier TMD - Dem/Val	4	14,223	19,897	56,232	U
70	0603869C	CORPS Surface-to-Air Missile - TMD - Dem/Val	4	40,610			U
71	0603870C	Boost Phase Intercept Theater Missile Defense	4	387,105	728,478	516,341	U
72	0603871C	National Missile Defense - Dem/Val	4	408,520	425,980	530,651	U
73	0603872C	Other Theater Missile Defense/Follow-on TMD	4		32,791	54,511	U
74	0603884BP	Chemical and Biological Defense Program - Dem/Val	4				
		Demonstration and Validation	1,948,509	2,323,786	1,617,190		

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FY 1997 Defensewide
R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program	Line Element	Item	Act	FY 1995	FY 1996	FY 1997	S
No	Number		---	---	---	---	e
75	0604160D	Counterproliferation Support - EMD	5	2,031.	2,676	2,651	U
76	0604384BP	Chemical and Biological Defense Program - EMD	5	15,200	88,196	89,915	U
77	0604771D	Joint Tactical Information Distribution System	5	81,709	59,619	44,501	U
78	0604861C	Theater High-Altitude Area Defense System - TMD -	5			262,463	U
79	0604864C	Battle Management and C4I for TMD Acquisition -	5		13,994		U
80	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	275,450	343,033	361,632	U
81	0604866C	ERINT/Patriot PAC-3 Risk Reduction - TMD - EMD	5	69,328	18,967		U
82	0604867C	Navy Lower Tier TMD Acquisition - EMD	5		95,732	233,806	U
83	0604889K	Counterdrug Engineering and Manufacturing	5	500			U
84	0305889D	Counterdrug Intelligence Support	5	6,950			U
		Engineering and Manufacturing Development	451,168	622,217		994,968	
85	0605104D	Technical Studies, Support and Analysis	6	24,720	31,248	35,101	U
86	0605110D	Technical Support to USD(A)--Critical Technology	6	2,566	2,547	2,743	U
87	0605114E	BLACK LIGHT	6	4,725	4,623	4,730	U
88	0605117D	Foreign Material Acquisition and Exploitation	6	99,963	44,510	40,750	U
89	0605128D	Classified Program USD(P)	6		1,700	11,400	U
90	0605129D	Technical Assistance	6			4,785	U
91	0605160D	Counterproliferation Support	6	5,671	6,214	8,563	U
92	0605218C	Ballistic Missile Defense RDT&E Program	6	157,359	148,141		U

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FY 1997 Defensewide RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Element No Number	Line Item	Program	Thousands of Dollars			
			Act	FY 1995	FY 1996	FY 1997
93 0605384BP	Chemical and Biological Defense Program	6	1,700	4,752	16,708	U
94 0605502D	Small Business Innovative Research	6	29,390			U
95 0605710D	Classified Programs - C3I	6	1,000	2,411	2,311	U
96 0605790D	Small Business Innovative Research Administration	6	1,461	1,511	1,628	U
97 0605798S	Defense Support Activities	6	14,653	16,912	13,796	U
98 0605801S	Defense Technical Information Center	6	42,684	40,086	45,238	U
99 0605898E	Management Headquarters (Research and Development	6	29,921	34,099	36,369	U
100 0909900E	Financing for Expired Account Adjustments	6	3,726			U
	RDT&E Management Support		419,539	338,754	224,122	
101 0201135J	CINC C2 Initiatives	7	1,456			U
102 0208045K	C3 Interoperability (Joint Tactical C3 Agency)	7	32,451	23,192	24,268	U
103 0301011G	Cryptologic Activities	7				
104 0301301I	General Defense Intelligence Program	7				
105 0301308L	Missile Intelligence Agency	7				
106 0302016K	National Military Command System-Wide Support	7	3,536	1,995	2,047	U
107 0302019K	Joint/Defense Information Systems Engineering and	7	9,774	3,745	4,594	U
108 0303126K	Long-Haul Communications (DCS)	7	27,166	20,060	23,361	U
109 0303127K	Support of the National Communications System	7	4,229	3,733	3,910	U
110 0303129K	Defense Message System	7			2,532	U

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Defensewide R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

FY 1997 Defensewide R D T & E Program

Exhibit R-1

Date: MAR 1996

Program Line Element No	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
111 0303131K	Minimum Essential Emergency Communications	7	3,237	2,620	2,311	U
112 0303132G	Global Grid Communications	7				
113 0303140D	Information Systems Security Program	7				
114 0303140G	Information Systems Security Program	7				
115 0303149J	C4I for the Warrior	7				
116 0303149K	C4I for the Warrior	7				
117 0303153K	Joint Spectrum Center	7				
118 0305106LC	Consolidated Imagery Activities	7				
119 0305107LC	Tactical Imagery Activities	7				
120 0305127V	Foreign Counterintelligence Activities	7				
121 0305139B	DMA Mapping, Charting, and Geodesy (MC&G)	7	60,478	71,932	100,997	U
122 0305154D	Defense Airborne Reconnaissance Program	7	649,992	596,255	438,559	U
123 0305154G	Defense Airborne Reconnaissance Program	7				
124 0305159B	Defense Reconnaissance Support Activities (SPACE)	7	15,750			
125 0305159G	Defense Reconnaissance Support Activities (SPACE)	7				
126 0305159I	Defense Reconnaissance Support Activities (SPACE)	7	46,664	54,957	55,911	U
127 0305190D	C3I Intelligence Programs	7	17,860	9,517	7,081	U
128 0305884L	Intelligence Planning and Review Activities	7				
129 0305885G	Tactical Cryptologic Activities	7				
130 0305889D	Counterdrug Intelligence Support	7		6,724		

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Defensewide

FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Item	FY 1995	Thousands of Dollars		
			Act	FY 1996	FY 1997
131 0305889G	Counterdrug Intelligence Support	7	7,544	7	U
132 0305898L	Management Headquarters (Auxiliary Forces)	7		6,659	6,831 U
133 0708011S	Industrial Preparedness	7			34,912 U
134 0902298J	Management Headquarters (OJCS)	7		11,000	
135 0909900S	Financing for Expired Account Adjustments	7	18		U
136 0909999D	Financing for Cancelled Account Adjustments	7	1,885		U
137 1160279BB	Small Business Innovative Research/Small Bus Tech	7	2,806		U
138 1160401BB	Special Operations Technology Development	7	5,448	3,969	4,083 U
139 1160402BB	Special Operations Advanced Technology Development	7	12,892	15,115	7,927 U
140 1160404BB	Special Operations Tactical Systems Development	7	152,862	107,924	83,923 U
141 1160405BB	Special Operations Intelligence Systems	7	3,987	2,843	1,315 U
142 1160407BB	SOF Medical Technology Development	7	1,663	1,814	1,887 U
143 1160408BB	SOF Operational Enhancements	7	20,060	16,156	23,216 U
Operational Systems Development					
		2,211,855	2,178,975	2,037,984	
Total	Research Development Test & Eval Defwide	8,603,472	9,036,124	8,398,836	

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FY 1997 Defensewide R D T & E Program

Exhibit R-1
Summary Date: MAR 1996

	FY 1995	FY 1996	FY 1997	Thousands of Dollars
<hr/>				
Summary Recap of Budget Activities				
RD&E Management Support	234,342	247,082	252,038	
Total Director of Test & Eval Defense	234,342	247,082	252,038	
<hr/>				
Summary Recap of FYDP Programs				
Research and Development (FYDP Program 6)	234,342	247,082	252,038	
Total Director of Test & Eval Defense	234,342	247,082	252,038	

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Exhibit R-1

Appropriation: 0450 D Director of Test & Eval Defense FY 1997 Defensewide R D T & E Program Date: MAR 1996

Program Line Element No	Item	Act ---	FY 1995	FY 1996	FY 1997	e s
1 0604940D	Central Test and Evaluation Investment	6	101,394	112,751	116,007	U
2 0605130D	Foreign Comparative Testing	6	41,341	32,195	33,560	U
3 0605804D	Development Test and Evaluation	6	91,607	102,136	102,471	U
	RDT&E Management Support	-	-	-	-	-
	Total Director of Test & Eval Defense	234,342	247,082	247,082	252,038	
			234,342	247,082	252,038	

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Summary Date: MAR 1996

Thousands of Dollars

	FY 1995	FY 1996	FY 1997
Summary Recap of Budget Activities	---	---	---
RDT&E Management Support	22,962	22,587	21,968
Total Director of Operational Test & Evaluation	22,962	22,587	21,968
Summary Recap of FYDP Programs			
Research and Development (FYDP Program 6)	22,962	22,587	21,968
Total Director of Operational Test & Evaluation	22,962	22,587	21,968

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FY 1997 Defensewide R D T & E Program

Exhibit R-1

Appropriation: 0460 D Director of Operational Test & Evaluation

Date: MAR 1996

Program Line Element No Number	Item	Act	FY 1995	FY 1996	FY 1997	S
1 0605118D	Operational Test and Evaluation	6	12,501	12,183	11,980	U
2 0605131D	Live Fire Testing	6	10,461	10,404	9,988	U
	RDT&E Management Support		22,962	22,587	21,968	
Total	Director of Operational Test & Evaluation	22,962	22,587	21,968		

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Defense Mapping Agency
FY 1997 R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program	Line Element	Item	Act	FY 1995	FY 1996	FY 1997	S
	No	Number	---	---	---	---	e
121	0305139B	DMA Mapping, Charting, and Geodesy (MC&G)	7	60,478	71,932	100,997	U
124	0305159B	Defense Reconnaissance Support Activities (SPACE)	7	15,750			U
		Operational Systems Development		76,228	71,932	100,997	
Total		Defense Mapping Agency		76,228	71,932	100,997	

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Special Operations Command
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 c e s
137	1160279BB	Small Business Innovative Research/Small Bus Tech	7	2,806	U
138	1160401BB	Special Operations Technology Development	7	5,448	3,969
139	1160402BB	Special Operations Advanced Technology Development	7	12,892	15,115
140	1160404BB	Special Operations Tactical Systems Development	7	152,862	107,924
141	1160405BB	Special Operations Intelligence Systems	7	3,987	2,843
142	1160407BB	SOF Medical Technology Development	7	1,663	1,814
143	1160408BB	SOF Operational Enhancements	7	20,060	16,156
		Operational Systems Development			23,216 U
			199,718	147,821	122,351
Total	Special Operations Command		199,718	147,821	122,351

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Chemical and Biological Defense Program
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e c	Thousands of Dollars S
5 0601384BP	Chemical and Biological Defense Program	1		27,481		28,739 U
Basic Research						
12 0602384BP	Chemical and Biological Defense Program	2	9,721	67,683	65,273 U	
Applied Research						
29 0603384BP	Chemical and Biological Defense Program -	3		34,349	41,685 U	
Advanced Technology Development						
74 0603884BP	Chemical and Biological Defense Program - Dem/Val	4		34,349	41,685	
Demonstration and Validation						
76 0604384BP	Chemical and Biological Defense Program - EMD	5	15,200	88,196	89,915 U	
Engineering and Manufacturing Development						
93 0605384BP	Chemical and Biological Defense Program	6	1,700	4,752	16,708 U	
RDT&E Management Support						
Total Chemical and Biological Defense Program						
		26,621	255,252	296,831		

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Ballistic Missile Defense Organization
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Item	Act.	FY 1995	FY 1996	FY 1997	Thousands of Dollars
7 0602173C	Support Technologies/Follow-on Technologies	2	80,948	90,731	94,973	U
25 0603173C	Support Technologies/Follow-on Technologies - Applied Research	3	126,585	126,341	134,905	U
	Advanced Technology Development		126,585	126,341	134,905	
64 0603861C	Theater High-Altitude Area Defense System - TMD -	4	452,384	560,862	226,837	U
65 0603862C	Theater Missile Defense Ground Based Radar (GBR-	4	169,993			U
66 0603863C	HAWK Upgrades Theater Missile Defense Acquisition	4	26,800	22,563		U
67 0603864C	Battle Management and C4I for TMD Acquisition -	4	19,893	23,466		U
68 0603867C	Navy Lower Tier TMD Acquisition - Dem/Val	4	139,834	181,603	58,171	U
69 0603868C	Navy Upper Tier TMD - Dem/Val	4	75,000	196,761	58,171	U
70 0603869C	CORPS Surface-to-Air Missile - TMD - Dem/Val	4	14,223	19,897	56,232	U
71 0603870C	Boost Phase Intercept Theater Missile Defense	4	40,610			U
72 0603871C	National Missile Defense - Dem/Val	4	387,105	728,478	516,341	U
73 0603872C	Other Theater Missile Defense/Follow-on TMD	4	408,520	425,980	530,651	U
	Demonstration and Validation		1,734,362	2,159,610	1,446,403	
78 0604861C	Theater High-Altitude Area Defense System - TMD -	5			262,463	U
79 0604864C	Battle Management and C4I for TMD Acquisition -	5		13,994		U
80 0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	275,450	343,033	361,632	U

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Ballistic Missile Defense Organization
FY 1997 R D T & E Program

Exhibit R-1
Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e ---
81 0604866C	ERINT/Patriot PAC-3 Risk Reduction - TMD - EMD	5	69,328	18,967	U
82 0604867C	Navy Lower Tier TMD Acquisition - EMD	5		95,732	233,806 U
Engineering and Manufacturing Development					
92 0605218C	Ballistic Missile Defense RDT&E Program	6	344,778	471,726	857,901
RDT&E Management Support					
Total	Ballistic Missile Defense Organization	2,444,032	157,359	148,141	U
			148,141		
		2,444,032		2,996,549	2,534,182

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Office of Secretary/Defense
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Item Number	Item	Act	FY 1995	FY 1996	FY 1997	S
<hr/>							
1	0601101D	In-House Laboratory Independent Research	1	2,242	3,411	2,154	U
3	0601103D	University Research Initiatives	1	235,674	222,043	209,235	U
4	0601110D	Focussed Research Initiatives	1	5,576	8,654	15,580	U
<hr/>							
Basic Research							
6	0602160D	Counterproliferation Support	2		13,882		U
8	0602227D	Medical Free Electron Laser	2	22,070	25,223	23,457	U
9	0602228D	Historically Black Colleges and Universities	2	21,268	14,195	11,163	U
10	0602234D	Lincoln Laboratory Research Program	2		12,393	20,068	U
17	0602787D	Medical Technology	2	7,339	7,204	8,196	U
<hr/>							
Applied Research							
19	0603002D	Medical Advanced Technology	3	3,884	3,926	3,363	U
20	0603104D	Explosives Demilitarization Technology	3	3,794	15,000		U
21	0603105D	Military HIV Research	3		19,212		U
22	0603120D	Demining	3			7,746	U
23	0603122D	Counterterror Technical Support	3	7,765	17,608	16,521	U
24	0603160D	Counterproliferation Support - Adv Dev	3	23,708	62,753	54,142	U
26	0603225D	Joint DoD-DoE Munitions Technology Development	3	23,172	20,939	16,158	U
28	0603232D	Automatic Target Recognition	3			4,841	U
31	0603570D	Defense Laboratory Partnership Program	3	58,971			U

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Office of Secretary/Defense
FY 1997 R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1995	FY 1996	FY 1997
33 0603704D	Special Technical Support	3	16,332	17,470	12,068 U
36 0603716D	Strategic Environmental Research Program	3	52,340	55,859	54,880 U
37 0603724D	Biological Defense - Advanced Development	3	50,001		U
38 0603726D	Joint Technology Insertion Program	3		3,339	14,523 U
39 0603736D	CALS Initiative	3	13,102		U
40 0603738D	Cooperative DOD/VA Medical Research	3	41,845	24,013	U
46 0603750D	Advanced Concept Technology Demonstrations	3	29,952	37,087	98,471 U
47 0603752D	Commercial Technology Insertion Program	3			48,411 U
48 0603755D	High Performance Computing Modernization Program	3	61,797	114,961	99,880 U
49 0603756D	Consolidated DOD Software Initiative	3	23,109		U
53 0603832D	Joint Wargaming Simulation Management Office	3	51,696	74,624	59,968 U

55 0603228D	Advanced Technology Development		461,468	466,791	490,972
56 0603708D	Physical Security Equipment	4	25,915	19,299	18,676 U
57 0603709D	Integrated Diagnostics	4	10,818	9,861	9,742 U
58 0603714D	Joint Robotics Program	4	22,978	16,566	23,744 U
59 0603715D	Advanced Sensor Applications Program	4	31,226	29,900	24,001 U
61 0603736D	AIM-9 Consolidated Program	4	48,024		U
62 0603790D	CALS Initiative	4		5,789	1,936 U
	NATO Research and Development	4	29,377	22,573	22,776 U

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Office of Secretary/Defense
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Program Number	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
Demonstration and Validation							
75	0604160D	Counterproliferation Support - EMD	5	2,031	2,676	2,651	U
Joint Tactical Information Distribution System							
77	0604771D	Joint Tactical Information Distribution System	5	81,709	59,619	44,501	U
Counterdrug Intelligence Support							
84	0305889D	Counterdrug Intelligence Support	5	6,950			U
Engineering and Manufacturing Development							
85	0605104D	Technical Studies, Support and Analysis	6	24,720	31,248	35,101	U
86	0605110D	Technical Support to USD(A) -Critical Technology	6	2,566	2,547	2,743	U
88	0605117D	Foreign Material Acquisition and Exploitation	6	99,963	44,510	40,750	U
89	0605128D	Classified Program USD(P)	6		1,700	11,400	U
90	0605129D	Technical Assistance	6			4,785	U
91	0605160D	Counterproliferation Support	6	5,671	6,214	8,563	U
94	0605502D	Small Business Innovative Research	6	29,390			U
95	0605710D	Classified Programs - C3I	6	1,000	2,411	2,311	U
96	0605790D	Small Business Innovative Research Administration	6	1,461	1,511	1,628	U
RD&E Management Support							
113	0303140D	Information Systems Security Program	7	649,992	596,255	438,559	U
122	0305154D	Defense Airborne Reconnaissance Program			16,645	107,281	U

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Office of Secretary/Defense
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No	Element Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e ---	Thousands of Dollars
127	0305190D	C3I Intelligence Programs	7	17,860	9,517	7,081	U
130	0305889D	Counterdrug Intelligence Support	7		6,724		U
136	0909999D	Financing for Cancelled Account Adjustments	7	1,885			U
		Operational Systems Development		669,737	629,141	445,640	---
Total	Office of Secretary/Defense			1,892,284	1,685,399	1,495,928	---

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Defense Advanced Research Projects Agency
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval. Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act	FY 1995	FY 1996	FY 1997	e	s
2 0601101E	Defense Research Sciences	1	85,069	77,600	74,923	U	
<hr/>							
Basic Research							
11 0602301E	Computing Systems and Communications Technology	2	376,490	363,038	346,957	U	
13 0602702E	Tactical Technology	2	118,755	127,205	117,944	U	
14 0602708E	Integrated Command and Control Technology	2	79,375	48,342	45,000	U	
15 0602712E	Materials and Electronics Technology	2	260,979	235,159	218,539	U	
<hr/>							
Applied Research							
27 0603226E	Experimental Evaluation of Major Innovative	3	581,818	582,616	635,553	U	
30 0603569E	Advanced Submarine Technology	3	31,400	31,687		U	
32 0603570E	Defense Reinvestment	3	208,067	185,741		U	
41 0603739E	Advanced Electronics Technologies	3	383,459	393,144	332,100	U	
42 0603744E	Advanced Simulation	3	27,910	4,887		U	
43 0603745E	Semiconductor Manufacturing Technology	3	88,327	37,296		U	
44 0603746E	Maritime Technology	3	38,780	47,196	37,408	U	
45 0603747E	Electric Vehicles	3	14,170	14,694		U	
51 0603800E	Joint Advanced Strike Technology - Dem/Val	3		29,557	78,400	U	
52 0603805E	Dual Use Applications Programs	3			250,000	U	
54 0603889E	Counterdrug RD&E Projects	3	38,970				
<hr/>							
Advanced Technology Development							
		1,412,901	1,326,818	1,333,461			

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Defense Advanced Research Projects Agency
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program	Line Element	Item	Act	FY 1995	FY 1996	FY 1997	S
No	Number		---	---	---	---	---
87	0605114E	BLACK LIGHT		6	4,725	4,623	4,730 U
99	0605898E	Management Headquarters (Research and Development	6	29,921	34,099	36,369 U	U
100	0909900E	Financing for Expired Account Adjustments	6	3,726			
		RDT&E Management Support		38,372	38,722	41,099	
		Total Defense Advanced Research Projects Agency		2,371,941	2,216,884	2,177,923	

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National Security Agency
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act	FY 1995	FY 1996	FY 1997 e c
103 0301011G	Cryptologic Activities	7			
112 0303132G	Global Grid Communications	7			
114 0303140G	Information Systems Security Program	7			
123 0305154G	Defense Airborne Reconnaissance Program	7			
125 0305159G	Defense Reconnaissance Support Activities (SPACE)	7			
129 0305885G	Tactical Cryptologic Activities	7			
131 0305889G	Counterdrug Intelligence Support	7	7,544	U	
	Operational Systems Development				
Total	National Security Agency				

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Defense Nuclear Agency
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program	Line Element	Item	Act	FY 1995	FY 1996	FY 1997	Thousands of Dollars
	No	Number					S
16	0602715H	Defense Nuclear Agency	2	210,793	227,964	195,131	U
		Applied Research		210,793	227,964	195,131	
34	0603711H	Verification Technology Demonstration	3	34,411	32,527	26,199	U
		Advanced Technology Development		34,411	32,527	26,199	
Total		Defense Nuclear Agency		245,204	260,491	221,330	

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Defense Support Project Office
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Element No Number	Item	Act	FY 1995	FY 1996	FY 1997	e
126 0305159I	Defense Reconnaissance Support Activities (SPACE)	7	46,664	54,957	55,911	U
	Operational Systems Development		46,664	54,957	55,911	
	Total Defense Support Project Office		46,664	54,957	55,911	

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Appropriation: 0400 D Research Development Test & Eval Defwide
Joint Chiefs of Staff
FY 1997 R D T & E Program
Exhibit R-1
Date: MAR 1996

Program Line Element No	Item Number	Act FY 1995	FY 1996	FY 1997	Thousands of Dollars e	
60	0603734J	Island Sun Support	4	2,698	1,359	1,246 U
Demonstration and Validation						
101	0201135J	CINC C2 Initiatives	7	1,456	1,359	1,246
115	0303149J	C4I for the Warrior	7	173	11,000	2,618 U
134	0902298J	Management Headquarters (OJCS)	7	1,456	11,173	34,912 U
Operational Systems Development						
Total	Joint Chiefs of Staff	4,154	12,532	38,776	37,530	

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Defense Information Systems Agency
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1995	FY 1996	FY 1997 e c
18 0305108K	Command and Control Research	2	1,640	1,819	1,856 U
	Applied Research				-----
83 0604889K	Counterdrug Engineering and Manufacturing	5	1,640	1,819	1,856 U
	Engineering and Manufacturing Development		500		-----
102 0208045K	C3 Interoperability (Joint Tactical C3 Agency)	7	32,451	23,192	24,268 U
106 0302016K	National Military Command System-Wide Support	7	3,536	1,995	2,047 U
107 0302019K	Joint/Defense Information Systems Engineering and	7	9,774	3,745	4,594 U
108 0303126K	Long-Haul Communications (DCS)	7	27,166	20,060	23,361 U
109 0303127K	Support of the National Communications System	7	4,229	3,733	3,910 U
110 0303129K	Defense Message System	7			2,532 U
111 0303131K	Minimum Essential Emergency Communications	7	3,237	2,620	2,311 U
116 0303149K	C4I for the Warrior	7			2,907 U
117 0303153K	Joint Spectrum Center	7		4,712	U
	Operational Systems Development				-----
	Total Defense Information Systems Agency		80,393	60,057	65,930
			82,533	61,876	67,786

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Defense Intelligence Agency
FY 1997 R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: MAR 1996

Program Line Element No No Number	Item	Act ---	FY 1995 ---	FY 1996 ---	FY 1997 e ---
104 0301301L	General Defense Intelligence Program	7			
105 0301308L	Missile Intelligence Agency	7			
128 0305884L	Intelligence Planning and Review Activities	7			
132 0305898L	Management Headquarters (Auxiliary Forces)	7			
	Operational Systems Development				
	Total Defense Intelligence Agency				

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Central Imagery Office
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Element No Number	Item	Act	FY 1995	FY 1996	FY 1997	e
118 0305106LC	Consolidated Imagery Activities	7				
119 0305107IC	Tactical Imagery Activities	7				
Operational Systems Development						
Total Central Imagery Office						

Date: MAR 1996

Thousands of Dollars

UNCLASSIFIED

UNCLASSIFIED

Defense Investigative Service
FY 1997 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: MAR 1996

Program Line Element No Number	Item	Act ---	FY 1995 ---	FY 1996 -----S	FY 1997 -----e c
120 0305127V	Foreign Counterintelligence Activities	7			
	Operational Systems Development				
	Total Defense Investigative Service				

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